1958

CENSUS OF MINERAL INDUSTRIES

VOLUME II

AREA STATISTICS

236267

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UNITED STATES CENSUS OF MINERAL INDUSTRIES: 1958

VOL. II AREA STATISTICS

Industry Statistics for Geographic Divisions, States, and Counties

Prepared under the supervision of
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Chief, Industry Division

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary

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Library of Congress Card No. A61–9403
This volume comprises the Area Reports, Series MIC58(2), of the 1958 Census of Mineral Industries.

SUGGESTED CITATION
U.S. Bureau of the Census. *U.S. Census of Mineral Industries: 1958*
Vol. II, Area Statistics
U.S. Government Printing Office, Washington, D.C., 1961

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C., or any of the Field Offices of the Department of Commerce. Price $5.50

PREFACE

This is one of two volumes presenting final results of the 1958 Census of Mineral Industries. As for earlier censuses, the 1958 census was a large-scale undertaking which depended upon significant contributions from numerous public and private organizations and individuals. Basic to the census was the excellent cooperation of nearly 35,000 mining companies in completing the appropriate report forms. Also important to the conduct of the 1958 Census of Mineral Industries was the cooperation of the Bureau of Old-Age, Survivors, and Disability Insurance and the Internal Revenue Service in permitting use of certain records, thus making possible a material reduction in the cost of conducting the census.

The advice of trade associations, individual mining companies, the Bureau of Mines and other Government agencies, and research and marketing organizations was most valuable in determining the content of the reports and in developing techniques for minimizing the burden of reporting. Also noteworthy was the assistance of the Advisory Council on Federal Reports, which through special panels of industry experts advised on the feasibility of collecting various types of data. Timely publicity was given to the census by Chambers of Commerce, the National Association of Manufacturers and other business groups, trade papers, local newspapers, and television and radio stations.

The Bureau of Mines cooperated with the Bureau of the Census in conducting the 1958 Census of Mineral Industries. The Census Bureau is particularly indebted to the Bureau of Mines, Office of Chief Statistician and Office of Chief Economist for their staff work in planning and conducting the census. Very valuable assistance and cooperation was provided by the Chiefs, Divisions of Anthracite, Bituminous Coal, Minerals, and Petroleum; and the Divisions of Mineral Resources in the field offices.

The 1958 Census of Mineral Industries was conducted under the direction of Maxwell R. Conklin, Chief, and Owen C. Gretton, Assistant Chief, and Vivian Eberle Spencer, Chief of Minerals, of the Industry Division. Within the Industry Division this responsibility was shared along industry lines by the following individuals: William Cooper, Metal Mining; Wilhelmina F. Whiting, Coal Mining; C. H. Wallace Sedgewick, Oil and Gas Extraction; and George R. Hopkins, Nonmetallic Minerals, Except Fuels, Mining. The names of supporting statisticians in these commodity areas that made significant contributions are shown in the introductory portion of the 18 industry reports which were published separately prior to their assembly into the Summary and Industry Volume.

Within the staff areas of the Industry Division, Irving Rottenberg was responsible for the concepts and definitions of establishment-type data and for computer specifications for editing and tabulating the Minerals Census data. Jack J. Gottsegen developed the criteria for selecting commodity and material items in the output and input inquiries and for the standards for processing these data. Jack L. Ogus was responsible for the statistical methods and sampling used in the census. The application of the system of the industrial classification of establishments was coordinated by Irvin Strauss in the later stages of the census and by Isidore Bogdanoff during the earlier period. Staff coordination on various phases of the processing of the establishment-type statistics was the responsibility of Arthur W. Horowitz. The preparation of the final manuscript for printing was the responsibility of Angela R. Daly.

Processing of the reports was performed in the Economic Operations Division under the supervision of Irving Weiss, Assistant Chief, Processing, assisted by Max E. Van Horn, for the Washington operations, and Charles Merzel, Donald E. Young, Wesley R. Grier, and Bernard M. Kinney for operations in the Census Operations Office in Jeffersonville, Indiana. Systems and procedures were developed under the supervision of Sol Dolleck, Assistant Chief, Systems, assisted by Samuel Schweid, for Methods Evaluation and Determination; Jack Margolis, for Liaison and Systems Development; Nathan Lesowitz, aided by Carl Mueller, for development and preparation of procedures; and Jack Scharff, aided by Eugene L. Wendt, Mary H. Johnson, and Duryee Van Wagenen, for development and supervision of electronic computer programming. Quality control plans and procedures were developed and supervised by Herman H. Fasteau, assisted by George Minton, Alfred J. McKeon, and Ruth H. Mills. Scheduling, progress reporting, and related staff work were supervised by Wilbur J. Mathias and Margaret R. Rommel.

In the Data Processing Systems Division, Rudolph M. Micoly and James W. Shores supervised the scheduling and operation of electronic equipment; Edgar D. Morgan and William M. Gaines supervised equipment engineering and maintenance, and Mrs. Dorothy P. Armstrong supervised general-purpose computer programming activities, Joseph S. Pewterbaugh and Emil Gorgovits developed techniques and procedures relating to the machine tabulation phases; and Frank McGrath, assisted by Emma Gass, supervised the card punching.

Staff members in other divisions and offices of the Bureau also contributed to the various phases of the census. Robert Klove, Assistant Chief of the Geography Division, assisted by Robert P. Condon and Alford Archer, supervised the preparation of the maps and charts. Robert H. Brooks, Chief, Graphics Branch, Administrative Service Division, was responsible for the preparation of copy for reproduction. Sheldon M. Klein, Chief, and Ingrid L. Millison, of the Presentation Practices Branch, Statistical Reports Division, reviewed text material and table forms and assisted on publication problems. Harold T. Goldstein, of the Office of the Chief Economic Statistician, was responsible for the review of manufacturing industry coding manuals and for coordinating coding concepts with those followed in the Manufactures and Business Industries fields. Robert D. Krook, Executive Officer, Census Operations Office at Jeffersonville, Indiana, was responsible for the phases of the processing operations performed there.

1958 CENSUS OF MINERAL INDUSTRIES FINAL REPORT

Volume I: SUMMARY AND INDUSTRY STATISTICS

Summary Statistics

Chapter
- I. General Summary
- II. Size of Establishments
- III. Type of Organization
- IV. Employment and Related Statistics
- V. Type of Operation
- VI. Fuels, Electric Energy, and Selected Supplies Used

Chapters I–VI were also issued as separate reports in Series MIC(1)

Industry Statistics

Separate chapters for each of 14 industries or groups of industries. These chapters include for 55 individual industries, such statistics as number of establishments; quantity and value of shipments and receipts; capital expenditures; number of employees, man-hours, and payrolls; and cost of supplies, fuels, electric energy, contract work, and purchased machinery installed. Selected statistics are also shown by size of establishment, output per man-hour, and ratio of payroll to value added in mining. These statistics are shown for the United States by States and types of operation. Historical comparisons are included. This volume also includes four major group summary chapters. (The industry and major group summary chapters were issued as separate reports in Series MIC58(1)–10A—MIC58(1)–14F.)

Volume II: AREA STATISTICS

Chapters for each State, Alaska, and Hawaii. Each area chapter contains such statistics as number of establishments; quantity and value of shipments and receipts; capital expenditures; number of employees, man-hours, and payrolls; and cost of supplies; fuels, electric energy, contract work, and purchased machinery installed. These figures are shown by industry and by county, and for some industry groups within county. Number of establishments is shown by size of operation, industry group, and county. Number of establishments, number of employees, and value added in mining is shown by type of operation. Historical comparisons are included. Nine division summary reports are also shown and a General Summary report is included. (The area chapters were issued as separate reports, Series MIC58(2)–1—MIC58(2)–49.)

1958 CENSUS OF MANUFACTURES FINAL REPORTS

Volume I: Summary Statistics
Volume II: Industry Statistics
Volume III: Area Statistics

1958 CENSUS OF BUSINESS FINAL REPORTS

Volume I: Retail Trade—Summary Statistics
Volume II: Retail Trade—Area Statistics
Volume III: Wholesale Trade—Summary Statistics and Public Warehousing
Volume IV: Wholesale Trade—Area Statistics
Volume V: Selected Services—Summary Statistics
Volume VI: Selected Services—Area Statistics
Volume VII: Central Business District Reports

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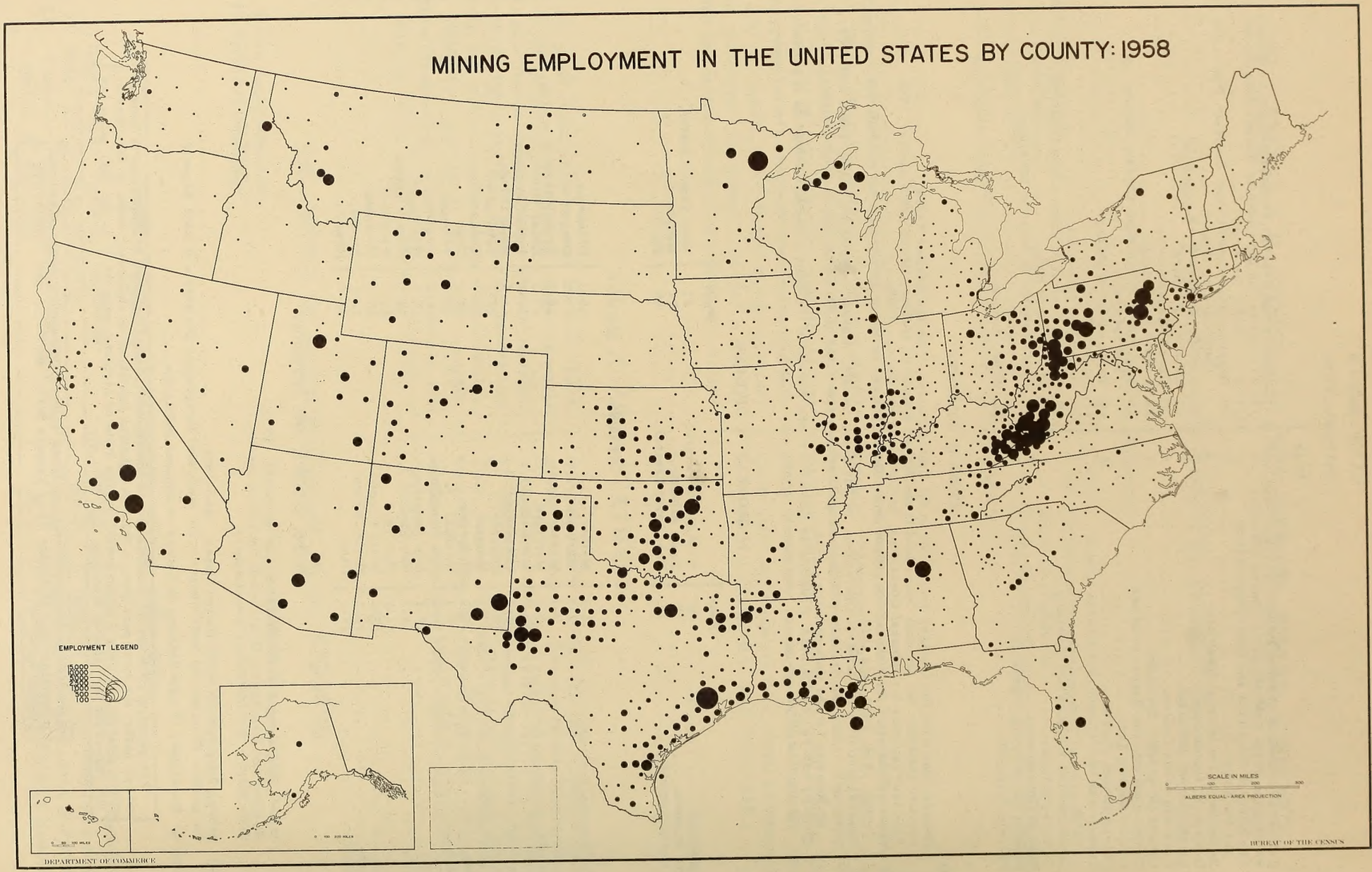
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The pages of each report were numbered independently; page numbers of State reports consist of two parts, the first part being a State designation numbered in alphabetic order of the States. Thus, page 1-1 is page 1 of the report for the State of Alabama; page 47-12 is the last page of the report for the State of Wyoming (MIC58(2)-47).

Revisions of data previously published in the corresponding pages of Mineral Industries Area Statistics Final Reports Series MIC58(2) are indicated by a symbol "r."


MINING EMPLOYMENT IN THE UNITED STATES BY COUNTY: 1958
EMPLOYMENT LEGEND
5,000
2,500
1,000
500
100
SCALE IN MILES
ALBERS EQUAL-AREA PROJECTION
BUREAU OF THE CENSUS
DEPARTMENT OF COMMERCE

Introduction

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1. Earlier Censuses of Mineral Industries
2. Publication of the 1958 minerals census results
3. The mineral industries and other segments of the economy
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1. Earlier Censuses of Mineral Industries

The 1958 Census of Mineral Industries is the fourteenth such census of the United States. The first minerals census covered the year 1840. Such censuses have been conducted for the intervening years: 1850, 1860, 1870, 1880, 1889, 1902, 1909, 1919, 1929, 1935, 1939, and 1954. Present legislation provides for a Census of Mineral Industries to cover the year 1963 and every fifth year thereafter.

The scope and quality of the minerals censuses have varied. While many of the problems and concepts involved in such a census were recognized early, the difficulties of locating mineral operators and the meager records often maintained impaired the quality of the first few censuses. Beginning with 1880, however, fairly comparable statistics have been available. The most comprehensive previous censuses are those covering the years 1880, 1889, 1902, 1909, 1919, 1939, and 1954.

The 1958 minerals census was conducted jointly with the Censuses of Manufactures and Business (Wholesale, Retail, and Services). All of these censuses covered the continental United States, Alaska, and Hawaii. The United States total figures in this report do not include establishments in Alaska and Hawaii, which did not achieve Statehood until 1959. Separate statistics for Alaska and Hawaii are included in the pertinent industry reports and separate chapters on Alaska and Hawaii are included in the Area Statistics Volume.

For 1958 as in previous years, most of the basic inquiries were common to the Censuses of Mineral Industries and Manufactures. The statistics published for mineral industries are generally comparable with those published for manufacturing industries, although in somewhat greater detail.

2. Publication of the 1958 Minerals Census Results

The 1958 Census of Mineral Industries final results are published in two volumes: Volume I, General Summary and Industry Statistics, shows comparative summary statistics for industries and States for such measures for mining establishments as employment; payrolls; capital expenditures; value of shipments; value added in mining; minerals received for preparation; supplies, fuels, and electric energy; cost of contract work; and cost of purchased machinery installed. Selected industry statistics are shown by size of establishment and by type of operation. Separate reports containing detailed industry figures are included for 20 groups of industries and summary reports for 4 broad industry groups. Volume II, Area Statistics, shows for each State, and for major mining industries within the State, such statistics as indicated above, and less detailed figures for counties. A listing of number of establishments in each of 22 mineral industry groups for broad size classes by county is also included for each State.

3. The Mineral Industries and Other Segments of the Economy

The mineral industries in recent years have accounted for less than 2 percent of national income and have required employment of less than 2 percent of all gainful workers in the United States. Nevertheless, the mineral industries furnish an increasing proportion of the raw materials base of the economy. In 1957, the mining industries supplied 34 percent of all raw materials produced; agricultural materials, 59 percent; forest products, 6 percent; and fishery and wildlife products, 1 percent. This may be compared with averages for the first decade of this century when mineral products accounted for only 17 percent of all raw materials. Table A compares such figures for three periods in the last half century.

Production of minerals in the United States requires a relatively much greater expenditure of capital and equipment than is needed for the manufacturing industries. Although value added in mining in 1958 amounted to less than 9 percent of total value added for mining and manufacturing combined, capital expenditures in the mineral industries were 22 percent of the total for mining and manufacturing, and in 1954 (the most recent year for which such statistics are available) horsepower of

TABLE A.--PERCENTAGE DISTRIBUTION OF RAW MATERIALS PRODUCTION FOR SELECTED PERIODS: 1900-1957

Raw materials group	1900-1909 average	1920-1929 average	1950-1957 average
All raw materials.....	100	100	100
Minerals.....	17	26	33
Agricultural materials...	66	62	60
Forest products.....	15	10	6
Fishery and wildlife products.....	1	1	1

Source: U. S. Bureau of the Census. Raw Materials in the United States Economy: 1900-1957 (Working Paper No. 6, to be published in 1962).

power equipment, excluding highway-type equipment, 21 percent of the total. (See table B.) The crude petroleum and natural gas extraction industries accounted for 17 percent of these capital expenditures. (In comparing figures in table B, it should be noted that value added in mining includes a measure of value added in the development of mineral properties, see section 26, and capital expenditures include expenditures for development of mineral properties, see section 23.)

4. Definition of the Mineral Industries

The minerals census covers all establishments classified in Division B--Mining, according to the 1957 revision of the Standard Industrial Classification Manual, (Executive Office of the President, Bureau of the Budget, 1957).

TABLE B.--VALUE ADDED, EMPLOYMENT, AND CAPITAL EXPENDITURES: 1958; AND HORSEPOWER OF EQUIPMENT: 1954; IN MINERAL AND MANUFACTURING INDUSTRIES

Item	Mineral industries		Manufacturing industries	Mineral industries as percent of mineral and manufacturing industries	
	All mining	Oil and gas extraction only		All mining	Oil and gas extraction only
Value added (1958).....$1,000,000..	13,381	9,035	141,270	8.7	5.8
Capital expenditures (1958).....do..	2,798	2,190	10,094	21.7	17.0
Employment (1958).....1,000..	733	313	15,996	4.4	1.9
Horsepower of power equipment:					
Including highway-type (1954).....do..	40,711	20,101	(NA)	(NA)	(NA)
Excluding highway-type (1954).....do..	29,351	12,939	108,362	21.3	9.4

NA Not available.

The SIC is the system used by all Federal statistical agencies, by most State agencies, and many private organizations. There is no other industrial classification system in widespread use, nor is there any other general purpose system that is described in detail in official manuals or other published documents. Awareness of the SIC by business analysts, executives, statisticians, research scholars, and others has grown rapidly and will continue to increase particularly in view of the adaptability of the decimal numeric system in mechanical processing.

The SIC is an industrial classification of the total economy. It divides all activities into broad industrial divisions (mining, manufacturing, retail, agriculture, etc.). It further subdivides each division into major industry groups, then into industry groups, and finally into individual industries. The numbering system provides flexibility, permitting use of classification at various levels of detail according to the specific needs and uses desired.

The manual defines Division B as including all establishments primarily engaged in mining. This term is used in the broad sense to include the extraction of minerals occurring naturally: solids, such as coal and ores; liquids, such as crude petroleum; and gases, such as natural gas. The term "mining" is also used in the broad sense to include quarrying, well operation, milling (crushing, screening, washing, flotation, etc.), and other preparation needed to render the mineral marketable. Exploration is included as is the development of mineral properties. Services performed on a contract, fee, or other basis in the development of mineral properties are classified separately but within this division.

Mining operations are classified by industry, on the basis of the principal mineral produced or, if there is no production, on the basis of the principal mineral for which exploration or development work is in process. The recovery of material from culm banks, ore dumps, and other waste minerals piles is classified in the appropriate mining industry according to the mineral product recovered.

Mineral preparation plants are usually operated together with mines or quarries and frequently no separate records for them are maintained. All such preparation plants are included in the scope of the minerals census. In general, separately operated preparation plants, whether they process minerals for the account of the operator or on a custom or toll basis for others, are also included in the minerals census. Coal cleaning and sizing plants operated at mines or as separate establishments are so included. However, the crushing, grinding, or otherwise treating of certain nonmetallic minerals at separately operated plants is included in the manufacturing industries.

Contract hauling (except out of open-pits in conjunction with mining) is excluded from the mineral industries.

Statistics on mining operations which are carried on as secondary activities at manufacturing establishments (such as clay pits at clay products plants or sand and gravel op-

erations at ready-mix concrete plants) are not within the scope of this census. However, certain information on these operations has been obtained in the 1958 Census of Manufactures and is included in some of the summary and industry reports and in the State reports. Wherever such inclusion occurs, it is clearly specified.

All blast furnaces; metal smelters; metal and petroleum refineries; plants manufacturing cement, brick, tile, and pottery; and plants engaged in dressing or polishing stone are classified in the manufacturing industries. Separate reports were obtained and included in the minerals census for the few ore dressing plants operated in conjunction with smelters and for the few natural gas liquids recovery plants operated as parts of chemical establishments.

5. Industry Classification

The industry classifications used in this Census are those specified in the Standard Industrial Classification. This classification divides the "Mining" industries into five Major Groups: Metal mining; Anthracite mining; Bituminous coal and lignite mining; Oil and gas extraction; and Nonmetallic minerals, except fuels, mining. These five major groups are divided into 20 subgroups and into 55 individual industries. Table C shows the relative magnitude of the 5 major groups in terms of value added in mining and employment.

TABLE C.--VALUE ADDED AND EMPLOYMENT IN THE MINERAL INDUSTRIES, BY MAJOR INDUSTRY GROUP: 1958

Industry group	Value added in mining		Employment	
	Million dollars	Percent of total	Thousand employees	Percent of total
All mineral industries.....	13,381	100	733	100
Metal mining.....	1,187	9	93	13
Anthracite mining...	164	1	23	3
Bituminous coal and lignite mining.....	1,610	12	188	26
Oil and gas extraction.....	9,035	68	313	43
Nonmetallic minerals mining.....	1,384	10	117	16

Separate general statistics are published for all the SIC industries. Also, selected statistics are published for certain subindustries, such as lead ores, zinc ores, oil- and gas-field well surveying and cement wells services, crushed and broken limestone, glass sand, and asbestos. The definitions of these industries and subindustries are included in the introductory texts of the pertinent industry reports.

The industry and subindustry classifications used in the 1958 minerals census are, in general, the same as the industry classifications used in the 1954 minerals census, since it was possible to include classifications proposed for the 1957 SIC revisions as industry groupings or as subindustries in the 1954 census.

6. Establishment Statistics

The Census of Mineral Industries obtains data, on the basis of an entire establishment, for the output and shipments of mineral products; operating and development costs; and labor, mechanical equipment, and materials requirements. Because of the nature of most operators' records, these data necessarily include the secondary products of the establishment as well as the primary products which determine the industry classification. Thus, some bituminous coal mines also produce clay, many oil wells also produce gas, silver ores contain significant quantities of copper, lead, zinc, gold, and other metals. Mines producing significant quantities of two or more different minerals are classified according to the mineral of greatest value (not tonnage) shipped during the year. A mine producing ores containing both silver and lead, for instance, is classified as a silver mine if the silver contained exceeds in value the lead content and vice versa. In most mining industries, however, the production of secondary minerals is of little statistical importance. This differs from the situation in manufacturing where about half of the industries have secondary production amounting to 10 percent or more of total shipments.

Operating companies were instructed that a mineral establishment, for purposes of the census report, is generally defined as a single physical location where mineral operations are conducted; for example, a mine only, a mine and preparation plant, or a preparation plant only. An establishment in this census, in general, represents workings at a given locality in which operations are conducted as a unit or are unified by common management or joint handling of some part of the mining or preparation process. Individual shafts, openings, or sites, however, are not necessarily considered as individual establishments.

For oil- and gas-field operations and contract services, reports were required for units somewhat different from the "establishment" reporting unit used for other types of mining. Only one report was required for all oil- and gas-field operations of a reporting company in each State. (However, information on employment and oil and gas production was included in this report on a county basis.) For service operations, only one report was required for all mineral services of a company in continental United States and its territories of Hawaii and Alaska. (However, information on employment and receipts for services were requested by county.)

In practice, some flexibility was allowed in the application of the establishment definition in specific industries. Where a company did not keep separate records for two or more establishments engaged in the same type of activity and located within the same State and county, a consolidated report was usually accepted and the operaions counted as a single establishment. Separate reports were frequently furnished for open-pit and underground operations, but consolidated reports were made for most industries, and such consolidation becomes very important in the anthracite industry.

Census tabulations of establishment reports differ substantially from those prepared on a company basis which not only combine activities at different locations (thereby eliminating interplant transfers) but also include the manufacturing activities of companies primarily engaged in mining. Census figures also differ to some extent from other surveys based on establishment reports where the definition of an establishment as to location and line of activity is not so rigidly applied.

Establishment counts shown in the 1958 Census are closely comparable with those for most earlier years. However, for some years, such as 1929 and 1919, consolidated reports covering two or more operations appear to have been accepted to a greater extent than in 1958.

7. Coverage of the Census

The 1958 Census of Mineral Industries excludes very small establishments and certain noncommercial operations. The small establishments excluded represent those without employees and for which each of the following three items amounted to less than $500 for the entire year: (1) value of products shipped and serivces performed for others; (2) expenses for wages, salaries, supplies, minerals received for preparation, fuel, purchased electric energy, contract work, and purchased machinery; and (3) capital expenditures for development and exploration of mineral properties, new construction and major alterations, and new and used machinery and equipment.

The cutoff for establishments covered in the 1958 census was essentially the same as that used for 1954, but lower than in other recent minerals censuses. For 1939 and 1929, in general, small establishments were excluded if each of three similar items amounted to $2,500, and for 1919, if value of products was less than $500 and expenditures for development work less than $5,000. For bituminous coal and lignite an output criteria of 1,000 tons was used in these three censuses. For 1939, common sand and gravel operations were excluded if they produced less than 15,000 tons of sand and gravel and had expenses of less than $15,000. For 1929, common sand and gravel establishments producing less than 25,000 tons were excluded, and this industry was not covered in censuses prior to 1929. Minima for size of establishment included were not provided for earlier censuses.

The production of minerals, particularly stone, sand, and gravel, by Federal, State, and local governments is excluded from the census. Also excluded is some production of these items by highway contractors who do not maintain separate records for sand and gravel production. The census includes, however, mining establishments operated entirely to serve other establishments of the same company, such as coal mines serving only coke ovens operated by the same company, oil and gas wells serving only refineries or public utilities owned by the same company, and copper mines and mills where all of the ore is transferred to a company owned smelter.

The 1958 Census of Mineral Industries covered establishments meeting the value criteria whether or not they had employees. The mailing lists available for establishments with no employees, such as establishments for which all labor was furnished by proprietors or contractors, were somewhat less complete than for those with employees. However, it is believed that in most areas such establishments were included where they met the specified criteria. Specific limitations in such coverage are discussed in the separate industry texts.

Establishments reported as having no employees accounted for 11 percent of all establishments, and those with less than 5 employees for 54 percent. Establishments with less than 5 employees, however, accounted for only about 4 percent of the value of shipments reported for all mineral industries for 1958 and for 6 percent of capital expenditures. Establishments without employees were most important in certain metal mining industries, and in the anthracite, crude petroleum and natural gas, dimension stone, common clay, mica, pumice and pumicite, and peat industries. Table D shows the relative importance of such establishments by industry groups.

TABLE D.--NUMBER OF ESTABLISHMENTS, VALUE OF SHIPMENTS, AND CAPITAL EXPENDITURES FOR ESTABLISHMENTS WITH LESS THAN 5 EMPLOYEES, AND NUMBER OF ESTABLISHMENTS FOR ESTABLISHMENTS WITH NO EMPLOYEES, AS PERCENTS OF TOTALS FOR ALL ESTABLISHMENTS IN THE MINERAL INDUSTRIES, BY INDUSTRY GROUPS: 1958

Industry group	Establishments with less than 5 employees			
	Number of establishments		Value of shipments and receipts	Capital expenditures
	Total	With no employees		
All mineral industries	54	11	4.3	6.0
Metal mining	67	26	1.6	5.2
Iron ores	29	9	1.4	2.5
Copper ores	58	22	0.1	0.6
Lead and zinc ores	63	22	1.4	8.0
Gold and silver ores	88	42	3.4	40.6
Bauxite	52	14	4.5	(1)
Ferroalloy ores	71	33	3.9	20.9
Metal mining services	51	7	3.6	7.8
Miscellaneous metal ores	72	27	2.7	6.1
Anthracite mining	67	38	12.4	8.1
Bituminous coal and lignite mining	43	6	2.9	5.3
Oil and gas extraction	60	11	4.7	6.0
Crude petroleum and natural gas	72	15	5.6	6.0
Natural gas liquids	15	1	1.5	14.3
Oil and gas field services	40	3	3.6	2.0
Nonmetallic minerals mining	44	9	4.6	7.4
Dimension stone	63	16	16.3	44.9
Crushed and broken stone	25	4	2.4	3.0
Sand and gravel	50	9	9.5	15.8
Clay and related minerals	48	15	5.8	5.8
Chemical and fertilizer minerals	35	6	0.5	0.7
Nonmetallic minerals services	47	4	10.7	25.2
Miscellaneous minerals	63	21	6.7	13.8

[1]Less than 0.05 percent.

In general, it is believed that the 1958 minerals census reports provided essentially complete coverage of production and development operations. However, the coverage was probably somewhat less complete for the crude petroleum and natural gas industry. Only about 97 percent of the total shipments of oil, and probably about 97 percent of the total shipments of gas, were covered. This may be compared with an indicated 96 and 95 percent, respectively, in the 1954 minerals census. The special problems faced in covering this industry, and details on the apparent coverage attained, are discussed in the special text for Crude Petroleum and Natural Gas. Undercoverage of the crude petroleum and natural gas industry appears to have reduced the over-all minerals census coverage of value of shipments by only about 1 percent. However, this undercoverage is more significant for certain States, particularly for Kansas and Oklahoma where the apparent coverage of all mineral operations in the State was between 94 and 95 percent.

8. Census Geographic Divisions

In order to present census data at a level intermediate between the United States and the individual 48 States, the Census Bureau has used regional groupings for over a century. Beginning with the 1909 Census of Mines and Quarries, the present nine geographic divisions have been used.

Not only are these groupings convenient for the summary presentation of census statistics below the United States level, but they are needed to present uniform geographic information for those individual industries in which application of the Census disclosure law precludes the publication of individual State figures. The relative importance of the mineral industries in 1958 among States and geographic divisions is shown in Table E.

TABLE E.--VALUE ADDED IN MINING BY GEOGRAPHIC DIVISIONS AND STATES: 1958

Division and State	Value added in mining (million dollars)	Percent	Division and State	Value added in mining (million dollars)	Percent	Division and State	Value added in mining (million dollars)	Percent
United States, total	13,381	100.0	West North Central--Con.			West South Central	6,159	46.0
			Missouri	66	0.5	Arkansas	111	0.8
New England	32	0.2	North Dakota	40	0.3	Louisiana	1,528	11.4
Maine	2	(1)	South Dakota	25	0.2	Oklahoma	674	5.0
New Hampshire	2	(1)	Nebraska	64	0.5	Texas	3,846	28.7
Vermont	7	0.1	Kansas	378	2.8			
Massachusetts	11	0.1				Mountain	1,746	13.0
Rhode Island	1	(1)	South Atlantic	940	7.0	Montana	116	0.9
Connecticut	9	0.1	Delaware			Idaho	37	0.3
			Maryland	23	0.2	Wyoming	344	2.6
Middle Atlantic	733	5.5	District of Columbia			Colorado	249	1.9
New York	116	0.9	Virginia	135	1.0	New Mexico	532	4.0
New Jersey	38	0.3	West Virginia	607	4.5	Arizona	189	1.4
Pennsylvania	580	4.3	North Carolina	28	0.2	Utah	246	1.8
			South Carolina	13	0.1	Nevada	32	0.2
East North Central	936	7.0	Georgia	52	0.4			
Ohio	191	1.4	Florida	83	0.6	Pacific	1,265	9.5
Indiana	103	0.8				Washington	24	0.2
Illinois	452	3.4	East South Central	651	4.9	Oregon	16	0.1
Michigan	158	1.2	Kentucky	320	2.4	California	1,225	9.2
Wisconsin	32	0.2	Tennessee	69	0.5			
			Alabama	127	0.9			
West North Central	919	6.9	Mississippi	135	1.0			
Minnesota	312	2.3						
Iowa	33	0.2						

[1]Less than 0.05 percent.

9. Cooperation with the Bureau of Mines

The Bureau of Mines, United States Department of the Interior, cooperated with the Bureau of the Census in conducting the 1958 minerals census. The purpose of this cooperation was to assure comparable coverage and comparable but, insofar as feasible, unduplicated results.

The Bureau of Mines supplied copies, or partial copies, of its mailing lists (1) to assure that all establishments producing minerals which were shown in its lists would also be covered in the 1958 censuses and (2) to provide a list of establishments having no employees. Considerable supplementation of the Census "No employee" lists was provided from this source, particularly for Major Groups 10, 11, and 14.

The Bureau of Mines played an important role in the development of the report forms in order to minimize duplication of requested data and to assure at the same time that some comparable items were included by both agencies to relate the more detailed Bureau of Mines commodity data to the Census statistics. The Bureau of Mines also cooperated in the development of a comparison of the basic commodity statistics tabulated by the two agencies. This is shown in table 7 of the General Summary Report.

10. Census Mailing List

The basic mailing list for the 1958 Censuses of Mineral Industries, Manufactures, and Business, comprised all employers (except farmers, State and local govern-

ments, and a few other classes) who made one or more quarterly payments in 1958 under the Federal Insurance Contributions Act. The list was obtained from the Internal Revenue Service of the Treasury Department. It contained all of the information necessary for mailing of the Census questionnaires except the industry classification of the employer.

The IRS list was compared with various lists carrying the industry identification necessary for selection of the appropriate Census questionnaire. The matching operations, which were done on electronic equipment, were made possible by the fact that both the IRS list and certain of the classified lists contained the Social Security employer identification number.

Mailing list supplementation was necessary for "multiunit" companies--those with more than one mining, manufacturing, or business establishment. A precanvass was conducted by use of Forms NCX-1A and NCX-1B. Form NCX-1A was sent to about 10,000 large companies and called for a listing of subsidiary corporations and of each establishment owned by the parent company or its subsidiaries. Form NCX-1B was sent to about 40,000 smaller firms. These forms differed only in that NCX-1A prelisted all known establishments operated. The NCX-1B, which went to firms with less than 5 establishments in 1954, did not prelist the establishments. The precanvass was performed jointly for the Censuses of Mineral Industries, Manufactures, and Business.

A general purpose form, NCX-3, was used for concerns having EI numbers on the IRS list which did not match the classified lists, and in cases where the EI numbers matched but the classified lists did not provide sufficient information for selection of a specific questionnaire. The industry code of employers thus canvassed was assigned after receipt of the NCX-3 on the basis of the information reported on that form. When the establishment filing the NCX-3 was large or where otherwise necessary, additional information was obtained to complete the appropriate inquiries for the industry to which the establishment was assigned.

The files were supplemented by Bureau of Mines lists, which furnished the principal source of names, addresses, and industry classifications for establishments without employees. (See Section 9.) In addition, for the oil and gas industries, they were supplemented by a precanvasses of oil and gas field service companies to obtain the names and addresses of companies served. Almost 4,000 names were added to the oil and gas field operators list on the basis of this survey.

In the 1958 Census the report forms were distributed and returned by mail. Personal or telephone contact was made only when the operator did not respond to the initial request or follow-up letters. The mailing, collection, check-in control, screening, coding, routine editing, and punching were performed at the Bureau's operations office in Jeffersonville, Indiana. Subsequent work was done in Washington, D. C.

At various stages of processing of the reports coverage checks were conducted to determine whether establishments on the original list were represented in the processing stage under study. Moreover, many comparisons were made with mailing lists being used currently by the Bureau of Mines. These checks indicated virtually complete mailing of reports to all names on the mailing list. For omissions discovered in these checks, either the missing reports were located or new reports obtained.

11. Census Report Forms

Only one report form was required, in general, for the operations of each establishment. The report forms used were adapted to the 55 industries classified in mining, 27 different establishment forms being provided for the 1958 minerals census. These included 20 standard forms used for all large and multiestablishment companies and 7 short forms used for small establishments. For the larger industries, the standard forms, requiring full census detail, were used only for establishments above a given size in terms of number of employees. For the numerous smaller establishments, typically having less detailed records and representing a very small portion of output and employment, data requirements were limited to a relatively few key items on a series of short forms differing principally in the preprinted lists of product class items in the shipments inquiry. The size cutoff for short forms varied according to the size composition of the industry so that, while the forms covered a small percentage of each industry's aggregates (employment, etc.), they represented a much higher porportion of number of establishments. The cutoff generally ranged from 4 to 10 employees. In a few of the very small industries no short forms were used. (About 15,000 of the approximately 36,000 reports in the minerals census were tabulated from short forms.)

Using the administrative records of the Bureau of Old Age and Survivors Insurance in conjunction with existing Bureau of the Census records, it was possible to determine correctly, in most cases, the type of form each establishment should receive.

(a) Standard Forms.--Each standard form called for the same general items--employment, payrolls, manhours, materials costs, detailed fuels and electric energy costs, and capital expenditures--regardless of the industry or industry group. However, the forms differed in that detailed inquiries on the quantity and value of individual products shipped and individual supplies used as well as miscellaneous inquiries such as types of operation and oil well drilling costs were adapted to the individual industry or industry group. (Sample forms appear in Volume I--Appendix C.)

(b) Short Forms.--These forms, designed for small establishments as noted above, were an abbreviated version of the standard forms and requested limited general and product information. For example, only total employment and payroll figures were requested, without detail by functional class (production workers and all other employees); production-worker man-hours and wages were not requested on short forms. Instead of detailed information on individual products the short forms requested value of shipments mainly in terms of product classes. There were 7 different short forms: one for metal mining, one for coal mining, 2 for oil and gas extraction, and 3 for nonmetallic minerals mining.

(c) Form for Separate Central Administrative Offices and Auxiliaries of Mining Companies. Separate reports for each central administrative office and auxiliary unit (storage warehouses, research laboratories, garages, repair shops, etc.), which served the mining establishments of the company rather than the general public, were obtained from the company if they were at locations different from the establishments served or if they serviced more than one establishment. The report form included inquiries on payrolls and employment. Approximately 600 such mining reports were tabulated in 1958. They accounted for about 42 thousand employees with payrolls of about $308 million,

which represents 5.7 percent and 8.2 percent, respectively, of the totals for all mining.

The employment and payrolls for these separate administrative offices and auxiliaries are included in the industry and State totals, unless otherwise specified. The employment and payrolls of such administrative offices and auxiliaries are also shown separately as tables 4 and 5 of the summary report, Employment and Related Statistics.

(d) A special form was provided for offshore oil and gas operations. It was required for each State in which a company performed such operations.

12. Comparison of 1958 and 1954 Census Report Forms

The inquiries on the 1958 census forms were very similar, in general, to those on the 1954 forms. There were some basic differences, however, in the information requested.

(a) The 1958 report forms requested somewhat less detail on the quantity and value of shipments than in 1954. This was in order to eliminate, insofar as possible, duplications between Census and Bureau of Mines product detail. The 1958 data are primarily product class statistics which provide a benchmark for Bureau of Mines figures and serve to relate available more detailed product statistics to the Census statistics on operating costs and capital expenditures.

(b) For 1958, no data were requested on the horsepower of power equipment or on loading equipment used. The Census program provides for obtaining such data only once in approximately 10 years. It is planned that such data will be obtained as part of the 1963 Census program.

(c) No information was obtained on water used in the mineral industries. Such data are now being collected periodically by the United States Bureau of Mines.

(d) Employment and receipts for services by county were obtained for the first time from all service establishments. Operators of oil and gas field properties also reported for the first time natural gas shipments by county. These data permitted the first publication in the State reports of complete county statistics on employment, payrolls, and value of shipments and receipts.

13. Establishment Location and Company Characteristics

Information was obtained on all 1958 forms regarding the physical location, Social Security employer identification number, company affiliation, and legal form of ownership. This information not only provided for completeness-of-coverage control in the census (see section 10.-Census Mailing List), but also permitted the classification of each establishment by geographic location and type of legal organization.

14. Type of Operation

The type of operation statistics in industry reports are based primarily on replies to a check box inquiry which listed the usual mining and mineral preparation methods used in a particular industry. The respondent was asked to check each method used in the establishment reported. Wherever possible, separate statistics are provided on establishments using underground mining methods, using a combination of underground and open-pit methods, and using open-pit methods only. For selected industries, separate statistics are provided by type of underground mining, such as for establishments having as the dominant method open stoping, shrinkage stoping, square setting, or block caving. Separate figures are provided, where possible, for mines with and without preparation plants; and for establishments with preparation plants classified by the dominant preparation method, such as crushing, washing, flotation, or gravity concentration. Separate statistics are also provided on producing and nonproducing operations, an establishment being defined as nonproducing if no mineral products were shipped during the year. For the crude petroleum and natural gas industries, details were obtained on the type of wells drilled and operated and reports were classified on the basis of whether they represented oil wells only, both oil and gas wells, or gas wells only, and on the basis of whether or not they included drilling.

15. Number of Operating Companies

For the purpose of this census, an operating company is defined as a corporation, individual proprietorship, partnership, cooperative, or other organization, regardless of size, directly engaged in production or development activities at one or more mineral establishments. An operating company may own the property operated or be the lessee of such property or operate for the account of others on a contract or fee basis. Regardless of the number of establishments operated by a company, or the number of States operated in, the company is counted only once in summary statistics. Hence, the sum of the detailed statistics for number of operating companies is usually greater than the statistics shown for group totals.

16. Persons Engaged

The employment statistics represent all full-time and part-time employees at the establishment who worked or received pay for any part of the pay period ending nearest the 15th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacation during these pay periods. Also included are employees of miners paid on a per ton, car, or yard basis. Excluded are employees at the mine but who were on the payroll of another employer (such as employees of contractors) and employees at company stores, boarding houses, bunk houses, and recreational centers. Also excluded are members of the armed forces, and pensioners carried on the rolls but not working during the period. Officers of corporations are included as employees; but proprietors and partners of unincorporated firms are excluded.

This total employment is divided into two functional classifications comparable with the basic classifications used for the manufacturing industries. The instructions to mining companies for reporting these two employee classifications were as follows:

Production and development workers.--Employees up through the working foreman level engaged in manual work, using tools, operating machines, hauling materials, loading and hauling products out of the mine in mine cars or trucks, and caring for mines, plants, mills, shops, or yards. Included are exploration work, mine development, storage, shipping, maintenance, repair, watchmen services, auxiliary production for use at establishments (such as power plant), record keeping, and other services closely associated with these production and development operations at the establishment covered by the report. Gang and straw bosses and foremen who performed manual labor are included, as are employees

paid on either a time- or piece-rate basis. Also, included are miners paid on a per ton, car, or yard basis and the men engaged by them and paid out of the total amount received by these miners, and other employees at the establishment but not on its payroll if paid directly through its own employees, such as superintendents and foremen. Supervisory employees above the working foreman level are excluded from this category.

All other employees.--Nonproduction personnel at the establishment and above the working foreman level. These are engaged in such activities as supervision, sales, highway trucking (by employees not entering mines or pits), advertising, credit collection, clerical, and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria and medical), professional (such as engineers and geologists), and technical activities. Also included are employees on the payroll of the establishment engaged in the construction of major additions or alterations to the plant who are utilized as a separate work force. (Workers engaged in regular maintenace and repair operations are not included here but are classified as "production and development workers.")

Employees at an office located at or near the mining establishment are usually included in the mine report. Where such offices or auxiliary units were reported separately their employees are included in the totals for individual industries and the State tables for each industry, but are not always classified by type of operation or by frequency class in frequency tabulations. These figures, classified by industry and State, are also shown separately in the summary report, Employment and Related Statistics. This practice differs from that used in the Census of Manufactures, in which employment at central administrative offices and auxiliary units were included in total manufacturing but not in individual industries.

In the mineral industry reports, besides these statistics on two types of employment, figures are shown on the total number of proprietors and firm members, and separately on the number of these who regularly performed production or development work.

17. Monthly and Average Employment

The 1958 report forms requested employment figures for "production and development workers" for four selected pay periods (mid-month employment in March, May, August, and November). For "all other employees" only a mid-March figure was requested. The "annual average" is composed of an average of the four monthly figures for "production and development workers" plus the March figure for "all other employees."

This approach was used to simplify the schedule format and lighten the reporting burden of respondents, since it was found that the average of these selected pay periods approximates very closely for almost all industries the average employment for the year that would be obtained from 12 monthly pay periods.

The employment averages shown in this report for all industries are based on the four-month figures described above. However, many of the mineral industries are highly seasonal. For such industries, figures on production and development workers were collected for all twelve months and are shown in table 3 of the industry reports.

The average employment for mines, based on 4 or 12 monthly figures, is generally comparable with employment statistics compiled for manufacturing and mining by other Government agencies but is lower than the measure used in annual accident and other reports to the Bureau of Mines. The latter measure represents the "average number of employees on active days," excluding shutdown periods. Such averages generally exceed the average for 12 months, sometimes by as much as 25 percent.

18. Production and Development Worker Man-Hours

The total man-hours figures represent all man-hours of production and development workers (as defined in Section 16) which were worked on both active days on which there was production or development work and on inactive days when only watchmen, inspectors, repairmen, and other maintenance men were on duty. They include all man-hours worked or paid for at the mining operations, except hours paid for vacations, holidays, or sick leave, when the employee was not at the mine. Included are actual overtime hours, not straight-time equivalent hours. Man-hours of working proprietors are excluded.

The Census man-hour figures differ from those published monthly by the Bureau of Labor Statistics which cover all hours paid for, whether or not worked, and relate only to the payroll period ending nearest the middle of each month. They differ from man-hours collected by the Bureau of Mines which include data for all employees classified as exposed to accidents, rather than only production and development workers.

Census man-hour figures were collected separately by department, such as for work in underground mining and development, in open-pit mining and stripping, at surface shops and yards for the mine, and at preparation plants (including auxiliary works for these plants). For the oil and gas industries, separate figures were obtained for operating and maintaining wells, for drilling wells and rig building, for exploration work, and for other work. A separate figure was also obtained on man-hours devoted to development and exploration work and charged to capital or depletion accounts.

Man-hours were well reported for the larger establishments, although the distribution by department was inadequately reported in some instances. Where total man-hours, or the distribution by department, were not reported and it was not feasible to obtain the information by correspondence, the data were estimated. Since such estimates were usually for small establishments, they have little effect on the validity of the statistics, except possibly those for small operations in the size of establishment tabulations.

19. Payrolls for the Year

This item represents the gross earnings paid in the calendar year 1958 to all employees on the payroll of mining establishments, and is comparable with the definition of payrolls used for the Federal witholding tax. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, all bonuses, vacation and sick leave pay, and compensation in kind; prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Included are payments to miners paid on a per ton, car, yard, or footage basis. The total includes salaries of officers of these establishments, if a corporation; it excludes payments to the proprietor or partners, if an unincorporated concern. It excludes payments to

members of the armed forces and pensioners carried on the active payroll of mining establishments. Also excluded are royalty payments to unions and costs of smithing, explosives, fuses, electric cap lamps, and mine supplies used in production and development work but charged to employees and deducted from their wages.

The 1958 Census definition of payrolls is that recommended to all Federal statistical agencies by the Bureau of the Budget, and is the same as that used for 1954. It should be noted that it does not include employers' Social Security contributions or other nonpayroll labor costs such as employers' pension plans, group insurance premiums, and workmen's compensation. It should be noted also that these payrolls include wages paid employees of the establishment for development and construction work which would be charged to the capital account.

As in the case of employment figures, the payrolls of separately reported offices and auxiliary units are included in the industry and State tables, but also shown separately by industry and State in the summary report, Employment and Related Statistics.

20. Supplies and Related Costs, Contract Work, and Purchased Machinery

The 1958 Census report forms requested information on supplies, fuels, and electric energy used; on contract work done by others; and on purchased machinery installed for each establishment. These items included charges to both the current and capital accounts. The figures reported were to include items used during 1958 whether purchased, withdrawn from inventories, or received from other establishments of the company. For selected supplies and fuels and for electric energy both quantity and cost data were requested. The cost data refer to direct charges actually paid or payable (after discounts) for items used during the year. Freight charges and other direct charges incurred by the establishment in acquiring the items are included. Where the company's records did not show actual amounts used, they were asked to approximate use by adding purchases (or receipts) during the year to opening inventory and subtracting closing inventory.

Separate figures were obtained for (a) selected supplies for some industries; (b) the value of minerals received for preparation (see Section 22); (c) the amount paid for electric energy purchased; (d) the amount paid for all purchased fuels used for heat, power, or the generation of electricity; (e) the cost of contract work done by others; (f) the cost of products bought and resold in the same condition; and (g) the cost of purchased machinery installed. Supplies and equipment used in mine development and plant expansion and capitalized repairs, which are chargeable to fixed assets accounts, were included as were supplies furnished without charge to contractors for use at the mining operation and also supplies sold to employees for use at the establishment (see Section 19). No data were obtained on such costs as advertising, insurance, telephone, and research and consulting services of other establishments; or on overhead costs, such as depreciation charges, rent, interest, and royalties.

Under contract work, companies were instructed to report the total amounts paid or due for contract services performed during the year, including payments for supplies and equipment furnished by the contractor incidental to this work. If part of the payment to contractors was in materials produced, the respondent was asked to estimate the value of the service performed. However, payments to miners paid on a per ton, car, yard, or footage basis were included under payrolls rather than under contract work (see Section 19).

Under purchased machinery, companies were instructed to report all machinery, equipment, and parts for renewals and repairs, including equipment installed in the mine or mill as well as mobile loading and transportation equipment.

21. Specific Supplies Used

In the 1958 minerals census, uniform quantity and cost data were obtained on the use of selected supplies. Comparable statistics on these items are available for 1954. Collection of the supplies data was coordinated with the expanded manufactures statistics program for the 1958 Census, which obtained data on about 200 materials for industries that accounted for 90 percent or more of their consumption in manufacturing.

For the minerals census, data on the quantity and cost of explosives and of steel mill shapes and forms used were obtained for the metal mining industries and for coal mining, and also, for coal mining, data were obtained on the cost of round and hewn woods products and stumpage. For the crude petroleum and natural gas industries, data were obtained on the quantity and cost of gas purchased for gas lift and repressuring.

22. Minerals Prepared

On report forms for almost all mineral industries, except the oil and gas and contract services industries, a uniform inquiry was included on minerals prepared at the reported establishments. Separate quantity figures were obtained on minerals prepared from three sources: (a) crude minerals mined at the establishment (quantity); (b) crude minerals received from other establishments of the company or purchased from others (quantity and cost); and (c) crude minerals received for preparation on a custom or toll basis (quantity and estimated value).

23. Capital Expenditures

In the 1958 Census, mining companies were asked to report expenditures made during the year for development and exploration of mineral properties, for new construction, and for machinery purchased at their operations that were chargeable to fixed-assets accounts of the mining establishment and were of a type for which depreciation, depletion, or Defense Minerals Exploration Administration accounts are ordinarily maintained. Capital expenditures during 1958 were to be determined as: additions completed during th year plus construction-in-progress at the end of the year minus construction-in-progress at the beginning of the year. Reported capital expenditures were to include work done on contract as well as by the mine forces. Expenditures for machinery and equipment were to include those made for replacement purposes, as well as those for additions to capacity. Excluded from such expenditures totals are costs of maintenance and repairs charged as current operating expense. Also excluded are expenditures for land and mineral rights.

Wherever applicable, separate figures were provided on expenditures for: (a) development and exploration of mineral property, (b) preparation plant construction and

other construction, (c) new machinery and equipment, and (d) used plant and used equipment acquired from others. The 1954 minerals census which included comparable statistics was the first to cover the totality of these items. However, for 1939, data were obtained separately on (b), (c), and (d). For 1929 and 1919, data were obtained on (a).

The census figures for capital expenditures differ from estimates published on the basis of the Office of Business Economics-Securities and Exchange Commission sample survey not only because of the sampling variations but much more due to the differences in scope of the surveys. Whereas census figures cover all mining establishments, but exclude all establishments of reporting companies which are not classified in the mineral industries, the OBE-SEC figures are based on reports for an entire company, classified on the basis of its principal activities. For this reason many large metal mining and oil and gas establishments are included, for example, in the OBE-SEC tabulations as part of manufacturing. Both series, however, exclude expenditures at establishments owned by Federal or State Governments but operated under lease or contract by private companies.

24. Individual Products

In the 1958 Census of Mineral Industries, information on output of about 240 individual mineral product items was collected. This represented a reduction from about 760 individual products included in the 1954 minerals census. The 1954 list of products for which separate information was collected was prepared after extensive consultation with industry and Government representatives. The detail provided for many industries was also greatly influenced by the type of detail usually collected in the Bureau of Mines annual surveys and needed by that agency to maintain comparability. Since joint forms with the Bureau of Mines were not used in the 1958 census, as they had been for many industries for 1954, detail collected in Bureau of Mines annual surveys was not duplicated in the census reports.

In general, the 1958 minerals census figures were confined to separate totals for each crude and each prepared mineral. Where significant, separate shipments figures were also obtained for crude minerals going to preparation plants and those going to consumers.

Figures were collected on both quantity and value of shipments. Shipments include commercial shipments and transfers of products to other operations of the same company. For products which are used to a significant extent within the same establishment for power or heat, and for minerals mined and prepared in the same establishment, total production or separate data on production for such uses were collected. Typically, production was also collected for products for which there are usually significant differences between total production and total shipments as a result of stock changes.

For service industries the amount received or due for services performed during 1958 was collected as a measure of output. For mine operators who also perform services the amount received for such services was added to the total value of products shipped to determine total "value of shipments and receipts" for each establishment.

Table 6A of each report for individual industries provides the national and regional total shipments from all industries for each of the products primary to the industries covered in the report. Table 5 provides separate totals for the value of primary products of each industry shipped by the primary industry and the amount shipped by other industries.

25. Shipments, Production, Custom Milling, and Net Shipments

"Shipments" figures include all products physically shipped from the establishment during 1958, including material withdrawn from stockpiles, and products shipped on consignment, whether or not sold in 1958. Prepared material or concentrates include preparation from ores mined at the same establishment, purchased, received from other operations of the same company, or received for milling on a custom or toll basis. For products transferred to other establishments of the same company or prepared on a custom basis, the company was requested to report the approximate commercial value not merely the cost of producing the items. All values were requested f.o.b. the establishment reported.

The figures for "Value of shipments and receipts" of an industry include for all establishments classified in the industry: (a) the value of all "primary" products of the industry; (b) the value of "secondary" products which are primary to other industries; (c) the receipts for contract work done for others (except custom milling); and (d) the value of products purchased and resold without further processing. Receipts for custom milling are omitted from this total and shown separately to avoid duplication with the value of custom milled ores included in (a) or (b).

For industry and industry group totals some duplication is introduced by the inclusion of materials transferred from one establishment to another for mineral preparation. In general, where this duplication is significant, figures are shown both for "gross" and "net" shipments. The "net" shipments are obtained by subtracting the value of crude minerals transferred to other establishments for preparation from the "gross" shipments. Wherever value of shipments is shown without further specification, it represents gross shipments.

For years prior to 1954, data on shipments were not collected. Instead, the report forms requested data on the quantity and value of production. In general, the data for these years were edited to represent "net" production, excluding duplications due to mining and later preparing the same material in the same industry.

Another source of duplication in the industry totals, particularly in the major group totals, for value of shipments is the inclusion of the cost of contract work performed by one establishment for another as well as the value of products produced by the assistance of this contract work. Only part of the contract work performed during a given year, however, results in production during that year. Another significant portion results in capital additions to the industry. It was not possible to segregate these two types of contract work in the census tabulations and the exclusion of all receipts for contract work in a computation of net shipments must be considered an over adjustment. Of the types of contract work classified in the mining services industries, only contract mining of minerals and contract pumping of wells would always warrant deduction as duplication in the value of shipments totals, and these items amounted to less than 4 percent of the total receipts for contract work by minerals establishments in 1958.

A third element of duplication in the total value of shipments for all mineral industries, and in the major group totals for the fuel producing industries, is the transfer of coal and natural gas from one mining establishment to another for use for power or heat. The total value of such fuels transferred for use in all mineral industries, however, was only $57 million, or less than 0.3 percent of the gross value of shipments for all mineral industries.

Table F shows, for major industry groups, gross shipments and two approximate computations of net shipments, the first adjusted only for the transfer of minerals from one establishment to another for preparation and for purchases for resale without preparation and the second adjusted also by exclusion of all receipts for contract work. This second adjustment, for the reasons indicated above, is made only in table F, and nowhere else in the 1958 census reports.

TABLE F.--GROSS AND APPROXIMATE NET SHIPMENTS IN THE MINERAL INDUSTRIES, BY MAJOR INDUSTRY GROUP: 1958

Industry group	Gross shipments (million dollars)	Net shipments (million dollars)	
		Adjusted for transfer of minerals[1]	Adjusted for transfer of minerals and for contract work[1]
All mineral industries.....	18,090	16,360	14,694
Metal mining.....	1,836	1,571	1,536
Anthracite mining.....	325	234	197
Bituminous coal and lignite mining.....	2,423	2,091	2,068
Oil and gas extraction	11,637	10,656	9,100
Nonmetallic minerals mining.....	1,869	1,808	1,793

[1]Adjusted also to exclude duplication of minerals transferred to other establishments in the same industry for resale without preparation.

26. Value Added in Mining

This measure is computed for 1958 and 1954 by subtracting the cost of supplies, minerals received from other establishments for preparation, purchased fuels and electricity, contract work, and purchased machinery installed from the value of shipments and receipts and capital expenditures. This statistic avoids the duplication in value of shipments which results from the use of products of some establishments as supplies, energy sources, or materials by others. Moreover, it provides a measure not only of value added in mineral production but also in the development of mineral properties. For these reasons it is considered to be the best value measure for comparing the relative economic importance of mining among industries and geographic areas.

"Value of shipments and receipts" used in this calculation includes the shipments of all products of the mining establishment, together with receipts for work done for others. "Capital expenditures" used includes expenditures for development of mineral properties as well as for new construction and major alterations of preparation plants and other structures and expenditures for new and used machinery and equipment. The "costs" used in this calculation include costs charged to both the current and capital accounts. Both the shipments and costs figures include products bought and resold in the same condition.

For 1939 and earlier years, comparable data are not available for capital expenditures or for costs of capitalized supplies and equipment. However, a rough measure of value added in mining is computed for these years by subtracting from the value of shipments and receipts the cost of supplies, minerals received for preparation, fuels, purchased electricity, and contract work.

Value added in mining differs from "national income originating in mining," as presented in the national income estimates compiled by the Office of Business Economics, Department of Commerce. The latter measure is the sum of factor costs incurred by an industry in production. It excludes, in addition to cost of materials, such costs as depreciation charges, State and local taxes (other than corporate income taxes), allowance for bad debts, and purchases of services from other economic sectors, such as contract services classified in other sectors, services of engineering and management consultants, advertising, telephone and telegraph expenses, insurance, royalties, etc. It is, therefore, a more "net" concept for value added in mineral production than that used in the minerals census. On the other hand, the OBE figures do not include a measure of value added in development of mineral properties.

27. Energy Used

The 1958 Census of Mineral Industries obtained data on the quantity and cost of fuels and electric energy used in mining which are comparable, in general, to such data obtained in the 1954, 1939, 1929, and 1919 censuses. Separate quantity and cost figures were provided on purchased coal, fuel oil, gas, and electric energy, and a cost figure was obtained for other fuels.

To supplement the data on energy and energy materials purchased, data were obtained on the quantity of such items produced and used at the same establishment. In the minerals census, such data were obtained on coal, crude petroleum, and natural gas used at the producing establishment for power and heat, and on electric energy generated and used at the same mining operation. For electric energy, the figures actually collected represented total quantity generated (excluding generating-station use) and quantity of electric energy generated and sold. The difference between these two quantity figures represented electric energy generated and used.

Experience, based on past censuses, indicates that the major portion of the information compiled on detailed fuels is reported by relatively large establishments in specific industries. For this reason, inquiries on fuel detail were not directed to (a) establishments classified in 14 of the 55 industries, accounting for about 2 percent of the total cost of fuels in 1954, and to (b) establishments reported on short forms. As a result of these limitations and due to some incomplete reporting, a total of $58 million was tabulated as "Undistributed" fuels costs, amounting to approximately 21 percent of the total fuels cost tabulated for 1958.

In order to provide total figures for energy used in specific industries, States, and types of operations,

the energy figures were reduced to a common unit of measure representing kilowatt-hours, the international unit of energy. These figures include an estimated kilowatt-hour equivalent for "Other fuels" for which only "Cost" was reported and for the "Undistributed" fuels cost. The conversion factors used in computing these kilowatt-hour equivalents were:

Coal	1 ton	=	7,677 kwh
Fuel oil	1 barrel	=	1,707 kwh
Natural gas	1 MCF	=	307.7 kwh
Other fuels	$1	=	250 kwh

For "Undistributed" fuels costs, the conversion was based on the types of fuels used in 1958 or 1954 in the industry for which the undistributed costs were tabulated.

28. Output Per Man-hour

Statistics on output per man-hour are shown for most of the mineral industries, exclusive of the oil and gas extraction industries, as table 8 of the industry reports. For measuring output per man-hour, producing establishments were classified according to class intervals of output per man-hour, with output usually measured in physical units, such as tons of coal, representing the principal product of the industry.

Where feasible, the distribution by output per man-hour was shown separately for major types of operation since it differs significantly for open-pits as compared with underground mines, and for a mine only, a mine and plant, and a plant only. The output per man-hour distributions are also shown by geographic divisions and States for the bituminous coal industry.

Meaningful ratios of output per man-hour could not be computed when a significant portion of the production resulted from the work of proprietors or contractors, for whom man-hour figures are excluded, or where a significant portion of the man-hours of production workers was spent in activity other than mineral production. Such operations were included as "unclassified."

29. Ratio of Payroll to Value Added in Mining

General statistics are shown in Table 9 of each industry report for establishments classified on the basis of the ratio of payroll to value added in mining. In comparing labor costs with the other factors that contribute to value added it should be recognized, however, that value added as here computed includes many expenses for which no separate data were obtained in the 1958 minerals census, such as taxes, royalties, and interest paid; and nonpayroll benefits to employees.

30. Imputation of Data

Short forms were used to obtain information for about 15,000 small establishments. In these forms less detail was obtained on selected items, such as employment, cost of supplies, fuels, electricity, and on the status of wells and drilling costs for oil and gas operations. Certain items were omitted entirely, such as man-hours.

To obtain industry totals, estimates were prepared for detail omitted for such establishments on the basis of information reported on long forms for similar operations.

Imputation of missing items was made feasible by use of the Census Bureau's high speed electronic computer. The procedures for imputation were of two types. For short form respondents, production and development workers and production and development worker wages were imputed from fixed ratios specified in advance from historical relationships of these items to total employees and total payroll. For other items to be imputed (for example, the breakdown of total capital expenditures to the 4 classes of expenditures) the imputation was made by a randomizing process in which eight similar establishments (same industry and same size class) were used in deriving the ratios needed for imputation of each establishment.

For industries characterized by large establishments, the percentage of imputation of general measures such as employment and payrolls, cost of materials, expenditures, and the like is very small; for industries in which small establishments account for a large portion of the totals, imputations may amount to 10 percent or more.

31. Confidentiality of Data for Individual Companies

The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. In the 1958 Census, as in 1954, preference was given to geographic regions and divisions over individual States in applying disclosure rules; similarly, States took precedence over counties. In tables showing industry detail, major industry group (2-digit) totals were given preference over industry group (3-digit) totals which, in turn, had precedence over individual (4-digit) industries.

Such order-of-precedence was used because (1) it was considered preferable to show regional data for an industry, even at the cost of withholding data for another (usually the least important) State in a region, rather than to show all publishable data for the individual States and group the disclosure States throughout the United States in an "all other" category as was frequently done in the 1939 and earlier censuses; and (2) by giving preference to industry group statistics over individual industries within each State, the extent to which individual statistics can be compared within the SIC industry classification framework is greatly increased.

For each State not shown separately in table 2 of the industry report, a footnote gives the number of establishments and either an employment range or the actual employment figure. The employment is shown in a range if the State had less than 1,000 employees, and the employment data represented the total for only one or two companies, or if the exact figure would premit deriving (by subtraction) the number of employees in other States represented by only one or two companies. In addition, figures for States with less than 50 employees, in general, are shown only in the footnote together with the number of establishments and employment in a range.

In the Area Volume, figures are not shown for a county or for an industry within a State if the publication of such statistics would disclose information for individual companies. In table 4 of that Volume, however, the

number of establishments, distributed by employment size, is shown for every county by 3-digit industry group.

For industries with few establishments or considerable geographic concentration, it has frequently been necessary to use geographic regions broader than the traditional nine census divisions, in order to show all establishments by some geographic grouping. For this purpose the following combinations of Census divisions have been used:

NORTHEAST	SOUTH
New England	South Atlantic
Middle Atlantic	East South Central
	West South Central
NORTH CENTRAL	WEST
East North Central	Mountain
West North Central	Pacific

32. Abbreviations

The following abbreviations and symbols occur frequently in tables and footnotes:

. . .	Zero
xxx	Not applicable
NA	Not available
n.e.c.	Not elsewhere classified
kwh	Kilowatt-hours
D	Withheld to avoid disclosing figures for individual companies
S.I.C.	Standard Industrial Classification

Other abbreviations, such as lb., and bbl., are used in the customary sense. Where the term "tons" only is used, it refers to short tons of 2,000 pounds; where the figures are expressed in tons of 2,240 pounds, the unit of measure is specified as "long tons."

GENERAL SUMMARY

15

MINING EMPLOYMENT IN THE UNITED STATES: 1860-1958

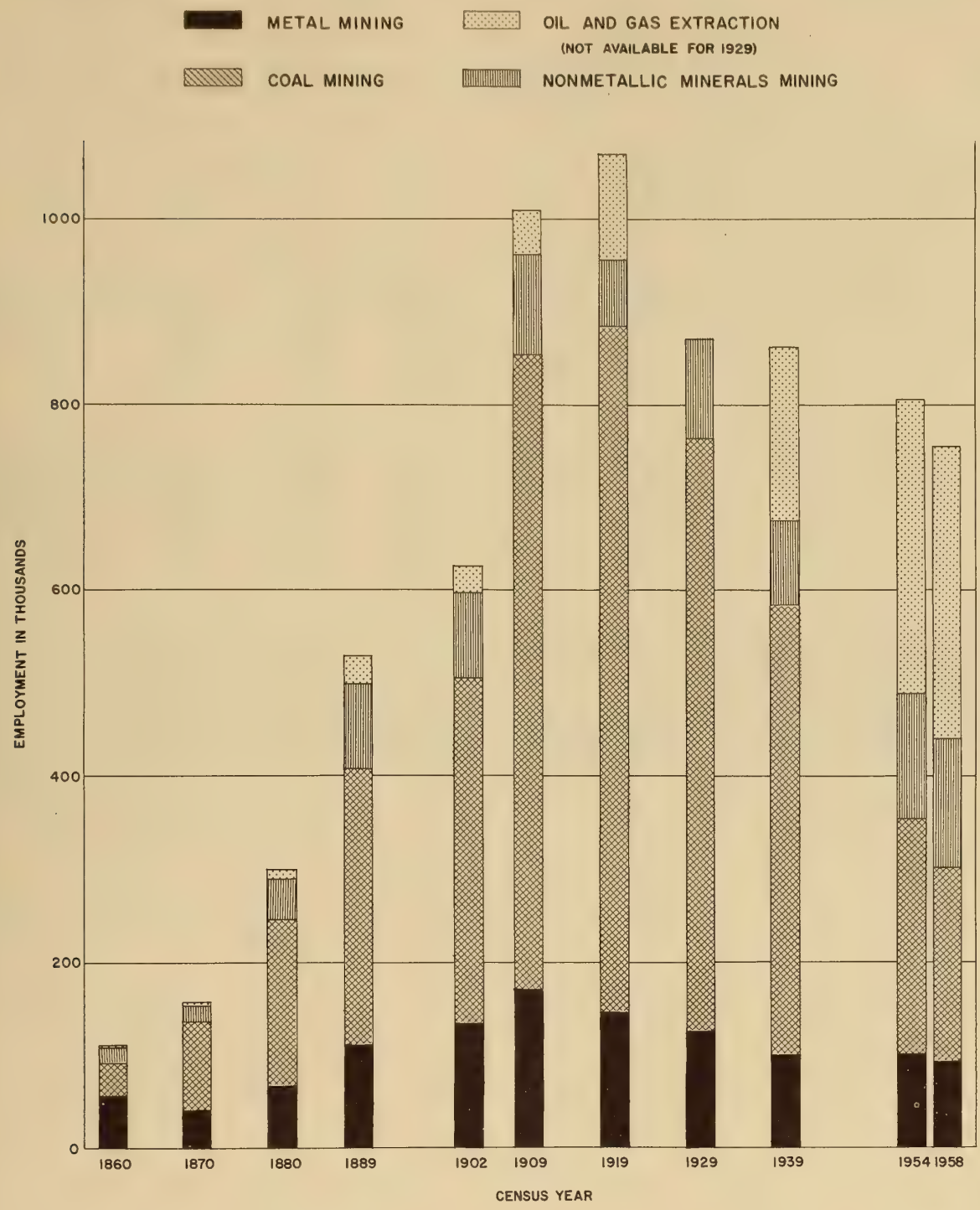


Table 1.–General Statistics for Mineral Operations

(For explanation of column captions see Introduction. For more detailed historical statistics, see table 1 of the General Summary

	Kind of operation and year	Establishments, number		All employees		Production and development workers		
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)
	Mineral industries only:							
1	1958	36,218	6,029	732,632	3,740,288	564,281	1,077,864	2,616,273
2	1954	37,446	6,194	785,708	3,385,722	647,141	1,248,898	2,572,297
	Including operations in manufactures: All operations:							
3	1958	37,784	6,279	753,537	3,826,692	584,012	1,116,774	2,695,588
4	1954[6]	38,663	6,456	805,968	3,456,979	666,621	1,288,461	2,639,378
5	1939[7]	[8]25,023	(NA)	856,389	1,174,771	774,130	1,287,852	970,546
6	1919[9]	21,997	(NA)	1,062,641	1,455,681	987,184	(NA)	1,304,409
7	1909[9]	25,017	(NA)	1,027,247	655,584	980,772	(NA)	599,706
8	1902[11]	[8]52,088	(NA)	621,846	416,795	[12]581,985	(NA)	376,218
9	1889	(NA)	(NA)	542,584	227,129	(NA)	(NA)	(NA)
10	1880	(NA)	(NA)	295,991	94,772	(NA)	(NA)	(NA)
	Excluding oil and gas extraction industries:							
11	1958	19,283	3,589	440,737	2,127,272	370,077	676,672	1,684,909
12	1954[6]	21,078	3,690	490,233	1,994,536	431,138	796,743	1,662,783
13	1939[7]	[8]13,794	(NA)	670,239	856,389	625,134	1,022,824	750,111
14	1929[13]	10,996	(NA)	865,551	1,238,918	812,220	(NA)	1,099,895
15	1919[9]	12,027	(NA)	951,030	1,286,405	893,525	(NA)	1,169,012
16	1909[9]	16,815	(NA)	983,257	620,031	943,169	(NA)	571,612
17	1902[11]	[8]20,352	(NA)	594,288	395,476	[12]559,547	(NA)	359,826
18	1889	21,807	(NA)	513,361	216,846	(NA)	(NA)	(NA)
19	1880	7,395	(NA)	284,514	87,593	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of liquids contained in such gas. See also footnote 2.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

in the United States: 1958 and Earlier Years

report of the 1954 Census of Mineral Industries, Vol. I. For all years prior to 1939, excludes contract service operations)

Value added in mining ($1,000)	Selected expenses ($1,000)				Value of net shipments and receipts[1] ($1,000)	Capital expenditures ($1,000)	Energy used (kwh equivalent)		
	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed			Total (million)	Per production worker (1,000)	
[13]3,381,494	2,879,669	1,756,454	1,854,770	1,015,257	16,360,273	2,797,810	404,935	718	1
[2]11,540,418	2,345,883	[3]708,809	1,826,738	1,213,108	[2]14,211,462	2,723,756	372,524	576	2
13,680,973	[4]2,938,586	1,758,380	[4]1,855,630	[5]1,017,571	16,715,395	[5]2,800,314	[5]405,414	694	3
[2]11,740,054	[4]2,390,951	[3]710,321	[4]1,827,372	[5]1,214,881	[2]14,450,664	[5]2,725,665	[5]373,126	560	4
2,765,396	438,190	(NA)	210,368	(NA)	3,413,954	(NA)	224,898	291	5
2,387,956	652,364	35,905	82,239	(NA)	3,122,559	(NA)	[10]250,133	253	6
947,610	230,792	29,318	30,690	(NA)	1,209,092	(NA)	(NA)	(NA)	7
556,964	192,262	(NA)	23,332	(NA)	772,558	(NA)	(NA)	(NA)	8
334,040	85,551	(NA)	6,720	(NA)	426,311	(NA)	(NA)	(NA)	9
216,790	31,447	(NA)	3,730	(NA)	251,967	(NA)	(NA)	(NA)	10
4,645,684	[4]1,353,201	765,994	[4]296,300	[5]363,339	6,059,363	[5]610,579	[5]95,101	257	11
[2]4,066,360	[4]1,090,775	[2]537,406	[4]269,513	[5]351,676	[2]5,220,719	[5]499,349	[5]88,030	204	12
1,429,122	317,651	(NA)	7,350	(NA)	1,754,123	(NA)	77,131	123	13
1,955,804	419,113	(NA)	17,914	86,733	2,392,831	(NA)	133,790	165	14
1,774,211	433,231	7,091	12,137	(NA)	2,219,579	(NA)	[10]208,702	234	15
835,753	184,264	19,429	13,547	(NA)	1,033,564	(NA)	(NA)	(NA)	16
497,942	167,297	(NA)	5,054	(NA)	670,293	(NA)	(NA)	(NA)	17
318,722	62,861	(NA)	6,720	(NA)	388,303	(NA)	(NA)	(NA)	18
199,093	28,273	(NA)	(NA)	(NA)	227,366	(NA)	(NA)	(NA)	19

[7]Except for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing stone at such operations was $7,913 thousand; this value has been included in the value of shipments and value added in mining.

[8]Represents number of mines and quarries, number of natural gas liquids plants, number of crude petroleum and natural gas establishments, and for mining services industries, number of operating companies.

[9]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. In 1929, there were 957 such sand and gravel establishments, with products valued at $102,312 thousand, and 252 such stone quarries, with products valued at $31,032 thousand. See also footnote 13.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 3 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to only 4 percent.

[11]Includes data for lime plants producing lime valued at $9,336 thousand. Excludes data for sand, gravel, common clay, and shale mining operations and for stone quarries at cement plants.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for common clay and shale operations. In 1939, there were 609 such mines with products valued at $6,341 thousand.

Table 2.—Detailed Statistics for Mineral Operations in

(For explanation of column

Ind. code	Industry group and industry	Number of operating companies	Establishments, number				Value of shipments and receipts ($1,000)	Value of net shipments and receipts ($1,000)	Value added in mining ($1,000)	Number of persons engaged					Man-hours worked by production and development workers (1,000)
			Total	With 20 or more employees	Including mining operations	Including preparation plants				Total	Production and development workers	Other employees	Proprietors and firm members		
													Total	Performing manual labor	
	All mineral operations	31,830	37,784	6,279	31,130	8,619	[1]18,450,826	[1]16,715,395	13,680,973	790,364	584,012	[2]169,525	[3]36,827	[3]16,042	1,116,774
	Mineral industries	30,731	36,218	6,029	29,564	8,397	18,089,834	16,360,273	13,381,494	769,459	564,281	168,351	36,827	16,042	1,077,864
	Included in manufactures	1,200	1,566	250	1,566	222	[1]360,992	[1]355,122	299,479	20,905	19,731	[2]1,174	(NA)	(NA)	38,910
	MAJOR INDUSTRY GROUPS														
10	Metal mining	1,906	2,233	383	2,056	602	1,835,845	1,571,191	1,187,327	94,349	71,402	21,099	1,848	1,190	136,750
11	Anthracite mining	1,157	1,248	159	1,065	188	325,128	234,000	164,489	24,676	20,047	2,766	1,863	1,298	30,867
12	Bituminous coal and lignite mining	6,300	6,930	1,371	6,561	1,831	2,423,361	2,091,428	1,609,964	195,017	163,533	24,173	7,311	3,785	267,699
13	Oil and gas extraction	15,363	18,501	2,689	12,716	593	11,636,887	10,656,032	9,035,289	333,185	213,935	98,865	20,385	6,918	440,102
	Nonmetallic minerals mining	7,236	8,872	1,677	8,732	5,405	[1]2,229,605	[1]2,162,744	1,683,904	143,137	115,095	[2]22,622	[3]5,420	[3]2,851	241,356
14	Mineral industries	6,137	7,306	1,427	7,166	5,183	1,868,613	1,807,622	1,384,425	122,232	95,364	21,448	5,420	2,851	202,446
	Included in manufactures	1,200	1,566	250	1,566	222	[1]360,992	[1]355,122	299,479	20,905	19,731	[2]1,174	(NA)	(NA)	38,910
	INDUSTRIES														
10	Metal mining	1,906	2,233	383	2,056	602	1,835,845	1,571,191	1,187,327	94,349	71,402	21,099	1,848	1,190	136,750
1011	Iron ores	127	242	129	232	123	681,938	635,388	500,232	31,706	23,659	7,917	130	83	41,737
1021	Copper ores	112	148	38	140	36	457,644	374,428	266,485	27,746	20,898	6,744	104	69	41,021
1031	Lead and zinc ores	226	288	52	275	69	120,561	103,843	73,679	11,439	8,728	2,499	212	141	16,734
	Lead ores	194	211	26	204	42	75,603	68,144	48,023	7,057	5,460	1,423	174	108	10,397
	Zinc ores	42	77	26	71	27	44,958	35,699	25,656	4,382	3,268	1,076	38	33	6,337
104	Gold and silver ores	375	379	20	377	132	48,389	46,981	37,896	4,267	3,411	528	328	241	7,071
1042	Lode gold	242	244	12	242	51	29,506	28,234	22,659	2,780	2,234	352	194	145	4,602
1043	Placer gold	73	74	3	74	74	6,326	6,326	4,873	441	323	41	77	56	723
1044	Silver ores	60	61	5	61	7	12,557	12,421	10,364	1,046	854	135	57	40	1,746
1051	Bauxite	12	29	9	23	8	18,174	17,374	15,430	712	502	203	7	6	905
106	Ferroalloy ores	286	294	33	277	112	111,521	106,435	74,255	5,776	4,380	1,058	338	206	8,335
1062	Manganese ores	182	186	22	176	68	39,385	34,330	20,014	2,308	1,792	307	209	128	3,475
1064	Tungsten ores	32	32	4	28	18	14,430	14,430	8,164	657	508	130	19	9	977
1069	Ferroalloy ores, nec	75	76	7	73	26	57,706	57,675	46,077	2,811	2,080	621	110	69	3,883
108	Metal mining services	91	95	23	xxx	xxx	32,384	32,384	22,862	2,269	1,973	211	85	50	4,274
1081	Metal mining stripping services	29	29	6	xxx	xxx	10,270	10,270	8,472	584	505	48	31	22	1,013
1082	Metal mining services, nec	62	66	17	xxx	xxx	22,114	22,114	14,390	1,685	1,468	163	54	28	3,261
109	Miscellaneous metal ores	708	758	79	732	122	365,234	254,358	196,488	10,434	7,851	1,939	644	394	16,673
1092	Mercury ores	77	79	9	78	72	8,607	(D)	7,093	730	569	83	78	62	1,223
1093	Titanium ores	9	11	7	10	11	17,158	16,531	12,746	962	706	256	...	...	1,234
1094	Uranium-radium-vanadium ores	563	602	61	582	30	336,451	226,999	174,802	8,446	6,389	1,550	507	291	13,873
1099	Metallic ores, nec	66	66	2	62	9	3,018	(D)	1,847	296	187	50	59	41	343
11	Anthracite mining	1,157	1,248	159	1,065	188	325,128	234,000	164,489	24,676	20,047	2,766	1,863	1,298	30,867
1111	Anthracite	1,075	1,163	117	1,065	188	290,342	199,214	142,198	21,507	17,266	2,446	1,795	1,253	26,409
1112	Anthracite stripping services	78	79	42	xxx	xxx	34,463	34,463	22,027	3,114	2,737	317	60	42	4,395
1113	Anthracite mining services, nec	6	6	...	xxx	xxx	323	323	264	55	44	3	8	3	63
12	Bituminous coal and lignite mining	6,300	6,930	1,371	6,561	1,831	2,423,361	2,091,428	1,609,964	195,017	163,533	24,173	7,311	3,785	267,699
1211	Bituminous coal	6,102	6,715	1,342	6,503	1,807	2,390,677	2,058,794	1,585,541	192,747	161,711	23,965	7,071	3,629	264,308
1212	Lignite	53	58	8	58	24	11,035	11,035	9,309	567	437	73	57	38	844
1213	Coal stripping services, nec	137	137	19	xxx	xxx	19,162	19,130	13,409	1,461	1,180	120	161	101	2,106
1214	Coal mining services, nec	20	20	2	xxx	xxx	2,487	2,469	1,705	242	205	15	22	17	441
13	Oil and gas extraction	15,363	18,501	2,689	12,716	593	11,636,887	10,656,032	9,035,289	333,185	213,935	98,865	20,385	6,918	440,102
1311	Crude petroleum and natural gas	9,835	11,993	1,092	11,993	xxx	8,385,906	8,384,586	7,339,922	194,321	102,445	77,595	14,281	3,984	200,930
	Crude petroleum	8,764	10,603	974	10,603	xxx	7,809,898	7,808,607	6,823,328	177,139	92,358	72,365	12,416	3,658	181,246
	Natural gas	1,241	1,390	118	1,390	xxx	576,008	575,979	516,594	17,182	10,087	5,230	1,865	326	19,684
1321	Natural gas liquids	176	593	290	xxx	593	1,625,098	706,915	587,580	16,566	13,445	3,069	52	8	26,947
138	Oil and gas field services	5,682	5,915	1,307	723	xxx	1,625,883	1,564,531	1,107,787	122,298	98,045	18,201	6,052	2,926	212,225
1381	Drilling oil and gas wells	2,911	3,064	820	592	xxx	904,939	902,721	587,440	62,617	52,274	7,137	3,206	1,346	109,470
1382	Oil and gas exploration services	329	347	76	3	xxx	87,215	86,108	64,353	9,836	7,559	1,998	279	127	16,695
1389	Oil and gas field services, nec	2,456	2,504	411	128	xxx	633,729	575,702	455,994	49,845	38,212	9,066	2,567	1,453	86,060
	Nonmetallic minerals mining	7,236	8,872	1,677	8,732	5,405	[1]2,229,605	[1]2,162,744	1,683,904	143,137	115,095	[2]22,622	[3]5,420	[3]2,851	241,356
14	Mineral industries	6,137	7,306	1,427	7,166	5,183	1,868,613	1,807,622	1,384,425	122,232	95,364	21,448	5,420	2,851	202,446
	Included in manufactures	1,200	1,566	250	1,566	222	[1]360,992	[1]355,122	299,479	20,905	19,731	[2]1,174	(NA)	(NA)	38,910
	Dimension stone	504	557	119	557	231	89,461	83,446	67,131	12,519	10,825	1,425	[3]269	[3]175	20,679
1411	Mineral industry	306	335	26	335	9	15,864	15,719	13,076	2,575	2,055	251	269	175	3,690
	Included in manufactures	208	222	93	222	222	73,597	67,727	54,055	9,944	8,770	1,174	(NA)	(NA)	16,989
	Dimension limestone	120	124	27	124	60	20,417	19,592	16,386	2,688	2,330	301	[3]57	[3]38	4,201
	Mineral subindustry	65	68	8	68	4	4,174	4,174	3,741	640	491	92	57	38	879
	Included in manufactures	55	56	19	56	56	16,243	15,418	12,645	2,048	1,839	209	(NA)	(NA)	3,322
	Dimension granite	114	137	45	137	62	34,408	31,430	24,315	3,942	3,465	432	[3]45	[3]24	6,731
	Mineral subindustry	63	76	9	76	1	5,577	5,517	4,085	785	681	59	45	24	1,277
	Included in manufactures	56	61	36	61	61	28,831	25,913	20,230	3,157	2,784	373	(NA)	(NA)	5,454

See footnotes at end of table.

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Principal expenses designated below ($1,000)									Capital expenditures ($1,000)						
Total	Wages and salaries		Minerals received for preparation	Supplies and purchases for resale	Purchased fuels	Purchased electricity	Contract work	Purchased machinery installed ($1,000)	Total	Development and exploration of mineral property	Preparation plant and other construction	New machinery and equipment	Used plant and equipment	Energy used (million kwh equivalent)	Ind. code
	Production and development workers	Other employees													
10,379,288	2,695,388	[2]1,131,104	1,758,380	[4]2,460,250	[4]275,732	[4]202,604	[4]1,855,630	[2]1,017,571	[2]2,800,314	[3]1,140,198	[2]466,585	[2]1,095,225	[2]98,306	[2]405,414	
10,231,181	2,616,273	1,124,015	1,756,454	2,403,671	274,943	201,055	1,854,770	1,015,257	2,787,810	1,140,198	466,378	1,093,140	98,094	404,935	
148,107	79,315	[2]7,089	1,926	[4]56,579	[4]789	[4]1,549	[4]860	[2]2,314	[2]2,504	(NA)	[2]207	[2]2,085	[2]212	[2]479	
1,281,064	356,209	131,577	303,251	282,406	37,986	37,230	132,405	69,531	214,291	44,228	97,647	65,298	7,118	27,383	10
260,593	79,425	13,971	85,375	29,930	4,062	7,325	40,505	10,033	16,591	3,818	1,879	9,683	1,211	3,881	11
1,762,421	760,364	152,420	325,224	373,569	23,536	56,676	70,632	151,955	188,195	9,058	66,663	101,219	11,255	14,903	12
5,836,521	1,010,679	688,741	992,386	1,401,400	130,652	53,333	1,559,330	654,232	2,189,735	1,075,313	259,739	796,001	58,682	310,313	13
1,238,689	488,911	[2]144,395	52,144	[4]372,945	[4]79,496	[4]48,040	[4]52,758	[2]131,820	[2]191,502	[3]7,781	[2]40,657	[2]123,024	[2]20,040	[2]48,934	
1,090,582	409,596	137,306	50,218	316,366	78,707	46,491	51,898	129,506	188,998	7,781	40,450	120,939	19,828	48,455	14
148,107	79,315	[2]7,089	1,926	[4]56,579	[4]789	[4]1,549	[4]860	[2]2,314	[2]2,504	(NA)	[2]207	[2]2,085	[2]212	[2]479	
1,281,064	356,209	131,577	303,251	282,406	37,986	37,230	132,405	69,531	214,291	44,228	97,647	65,298	7,118	27,383	10
380,326	120,618	53,769	64,662	80,320	17,447	14,000	29,510	18,516	42,749	10,913	11,944	18,675	1,217	11,106	1011
360,343	106,357	37,144	89,011	86,587	9,744	9,476	22,024	19,191	44,874	9,720	14,835	16,534	3,785	10,239	1021
106,978	39,001	15,396	21,517	21,185	1,058	5,869	2,952	2,920	8,619	4,160	1,845	2,502	112	1,153	1031
64,205	24,843	8,916	11,353	12,996	609	3,380	2,108	1,630	4,496	2,295	1,002	1,113	86	659	
42,773	14,158	6,480	10,164	8,189	449	2,489	844	1,290	4,123	1,865	843	1,389	26	494	
32,533	17,064	2,930	1,090	8,258	868	1,658	665	1,178	3,224	1,181	962	766	315	528	104
20,258	10,709	1,738	(5)	[5]5,917	577	890	427	764	1,728	470	503	535	220	347	1042
3,470	1,515	275	xxx	1,070	94	431	85	113	340	65	91	115	69	71	1043
8,805	4,840	917	(5)	[5]2,361	197	337	153	301	1,156	646	368	116	26	110	1044
6,275	2,290	1,316	1,066	728	258	172	445	1,483	1,408	24	107	1,247	30	151	1051
68,364	19,455	7,256	15,370	15,817	1,671	2,263	6,532	2,158	6,545	1,303	2,655	2,094	493	922	106
29,512	7,244	1,792	10,675	5,216	1,101	677	2,807	1,085	2,190	469	253	1,113	355	582	1062
9,197	1,993	914	4,664	1,385	17	217	7	98	122	17	32	56	17	25	1064
29,655	10,218	4,550	31	9,216	553	1,369	3,718	975	4,233	817	2,370	925	121	315	1069
21,517	10,624	1,473	xxx	7,657	1,271	60	432	1,365	1,263	xxx	34	1,155	74	340	108
4,312	2,357	315	xxx	972	494	51	123	1,013	855	xxx	(6)	805	[6]50	143	1081
17,205	8,267	1,158	xxx	6,685	777	9	309	352	408	xxx	(6)	350	[6]58	197	1082
304,728	40,800	12,293	110,535	61,854	5,669	3,732	69,845	22,720	105,609	16,927	65,265	22,325	1,092	2,944	109
5,118	2,627	485	(5)	[5]1,462	387	102	55	370	862	290	131	352	89	129	1092
9,560	2,882	1,614	(5)	[5]3,252	614	1,077	121	1,831	2,483	39	329	2,115	...	426	1093
287,544	34,439	9,983	109,492	57,027	4,525	2,505	69,613	20,092	101,565	16,499	64,578	19,660	828	2,344	1094
2,506	852	211	(5)	[5]1,196	143	48	56	427	699	99	227	198	175	45	1099
260,593	79,425	13,971	85,375	29,930	4,062	7,325	40,505	10,033	16,591	3,818	1,879	9,683	1,211	3,881	11
234,104	67,449	12,024	85,375	20,777	2,346	6,814	39,319	6,317	12,804	3,818	1,811	6,333	842	3,347	1111
26,223	11,780	1,937	xxx	9,101	1,708	511	1,186	3,615	3,685	xxx	68	3,349	268	526	1112
266	196	10	xxx	52	8	...	...	101	102	xxx	...	1	101	8	1113
1,762,421	760,364	152,420	325,224	373,569	23,536	56,676	70,632	151,955	188,195	9,058	66,663	101,219	11,255	14,903	12
1,744,369	751,584	151,175	325,224	368,722	21,628	56,309	69,727	147,493	183,967	8,984	66,462	97,783	10,738	14,303	1211
4,329	2,261	432	...	1,133	210	260	33	1,522	1,432	74	69	1,236	53	111	1212
11,910	5,615	758	xxx	3,003	1,612	107	815	2,816	2,600	xxx	130	2,006	464	467	1213
1,813	904	55	xxx	711	86	...	57	124	196	xxx	2	194	...	22	1214
5,836,521	1,010,679	688,741	992,386	1,401,400	130,652	53,333	1,559,330	654,232	2,189,735	1,075,313	259,739	796,001	58,682	310,313	13
3,545,642	497,571	544,615	xxx	951,911	56,204	45,770	1,449,571	486,021	1,943,493	1,062,206	197,674	646,389	37,224	137,440	1311
3,216,495	452,947	512,911	xxx	832,555	53,083	44,627	1,320,372	443,166	1,707,233	955,699	150,227	586,948	34,359	128,265	
329,147	44,624	31,704	xxx	119,356	3,121	1,143	129,199	42,855	236,260	126,507	47,447	59,441	2,865	9,175	
1,188,931	75,739	20,580	992,386	46,026	4,521	4,696	44,983	39,836	94,930	xxx	53,566	40,441	923	142,130	1321
1,101,948	437,369	123,546	xxx	403,463	69,927	2,867	64,776	128,375	151,312	13,107	8,499	109,171	20,535	30,743	138
624,303	239,328	49,915	xxx	241,491	40,942	1,261	51,366	84,457	102,018	12,953	3,322	68,149	17,594	22,617	1381
67,518	31,115	12,534	xxx	16,396	3,535	295	3,643	6,075	7,082	...	554	6,207	321	949	1382
410,127	166,926	61,097	xxx	145,576	25,450	1,311	9,767	37,843	42,212	154	4,623	34,815	2,620	7,177	1389
1,238,689	488,911	[2]144,395	52,144	[4]372,945	[4]79,496	[4]48,040	[4]52,758	[2]131,820	[2]191,502	[3]7,781	[2]40,657	[2]123,024	[2]20,040	[2]48,934	
1,090,582	409,596	137,306	50,218	316,366	78,707	46,491	51,898	129,506	188,998	7,781	40,450	120,939	19,828	48,455	14
148,107	79,315	[2]7,089	1,926	[4]56,579	[4]789	[4]1,549	[4]860	[2]2,314	[2]2,504	(NA)	[2]207	[2]2,085	[2]212	[2]479	
68,101	36,768	8,143	1,926	16,860	1,193	1,971	1,240	2,845	3,705	[3]52	566	2,787	300	614	
10,579	6,067	1,054	...	2,252	404	422	380	531	1,201	52	359	702	88	135	1411
57,522	30,701	7,089	1,926	14,608	789	1,549	860	2,314	2,504	(NA)	207	2,085	212	479	
15,001	8,837	1,902	130	3,051	276	406	399	846	1,077	[3]15	90	855	117	169	
2,761	1,592	528	...	385	87	78	91	294	502	15	70	388	29	33	
12,240	7,245	1,374	130	2,666	189	328	308	552	575	(NA)	20	467	88	136	
25,852	12,645	2,978	478	8,060	485	896	310	582	718	[3]32	78	554	54	247	
3,908	2,046	242	...	1,293	115	171	41	89	217	32	51	122	12	38	
21,944	10,599	2,736	478	6,767	370	725	269	493	501	(NA)	27	432	42	209	

Table 2.–Detailed Statistics for Mineral Operations in the

(For explanation of column

Ind. code	Industry group and industry	Number of operating companies	Establishments, number				Value of shipments and receipts ($1,000)	Value of net shipments and receipts ($1,000)	Value added in mining ($1,000)	Number of persons engaged					Man-hours worked by production and development workers (1,000)
			Total	With 20 or more employees	Including mining operations	Including preparation plants				Total	Production and development workers	Other employees	Proprietors and firm members		
													Total	Performing manual labor	
	INDUSTRIES--Continued														
	Dimension stone--Continued														
	Dimension stone, nec	272	296	47	296	109	34,636	32,424	26,430	5,889	5,030	692	[3]167	[3]113	9,747
	Mineral subindustry	178	191	9	191	4	6,113	6,028	5,250	1,150	883	100	167	113	1,534
	Included in manufactures	99	105	38	105	105	28,523	26,396	21,180	4,739	4,147	592	(NA)	(NA)	8,213
	Crushed and broken stone	1,680	2,176	741	2,152	1,813	[1]754,809	[1]741,038	562,435	47,708	39,846	[2]6,539	[3]1,323	[3]611	85,594
1421	Mineral industry	1,597	1,957	644	1,933	1,813	616,076	602,305	445,788	42,727	34,865	6,539	1,323	611	75,632
	Included in manufactures	111	219	97	219	xxx	[1]138,733	[1]138,733	116,647	4,981	4,981	(NA)	(NA)	(NA)	9,962
	Crushed and broken limestone	1,252	1,656	581	1,639	1,387	[1]596,356	[1]584,179	449,736	37,396	31,272	[2]5,036	[3]1,088	[3]499	66,912
	Mineral subindustry	1,176	1,458	484	1,441	1,387	459,037	446,860	334,368	32,496	26,372	5,036	1,088	499	57,112
	Included in manufactures	104	198	97	198	xxx	[1]137,319	[1]137,319	115,368	4,900	4,900	(NA)	(NA)	(NA)	9,800
	Crushed and broken granite, mineral subindustry	87	121	61	121	108	49,596	49,391	33,493	3,341	2,906	403	32	14	6,442
	Crushed and broken stone, nec	352	399	99	392	318	[1]108,857	[1]107,468	79,206	6,971	5,668	[2]1,100	[3]203	[3]98	12,240
	Mineral subindustry	334	378	99	371	318	107,443	106,054	77,927	6,890	5,587	1,100	203	98	12,078
	Included in manufactures	18	21	...	21	xxx	[1]1,414	[1]1,414	1,279	81	81	(NA)	(NA)	(NA)	162
	Sand and gravel	3,690	4,084	509	4,071	2,758	[1]631,485	[1]622,885	497,864	42,546	33,171	[2]6,418	[3]2,957	[3]1,592	71,562
1441	Mineral industry	3,350	3,703	482	3,690	2,758	560,806	552,206	434,468	40,005	30,630	6,418	2,957	1,592	66,480
	Included in manufactures	371	381	27	381	xxx	[1]70,679	[1]70,679	63,396	2,541	2,541	(NA)	(NA)	(NA)	5,082
	Common sand and gravel	3,553	3,915	474	3,905	2,618	[1]586,769	[1]578,935	463,096	39,574	30,809	[2]5,896	[3]2,869	[3]1,536	66,815
	Mineral subindustry	3,213	3,534	447	3,524	2,618	516,090	508,256	401,700	37,033	28,268	5,896	2,869	1,536	61,733
	Included in manufactures	371	381	27	381	xxx	[1]70,679	[1]70,679	63,396	2,541	2,541	(NA)	(NA)	(NA)	5,082
	Glass sand	39	45	19	42	39	28,343	(D)	20,672	1,642	1,339	289	14	8	2,833
	Molding sand	98	124	16	124	101	16,373	(D)	12,096	1,330	1,023	233	74	48	1,914
	Clay and related minerals	888	1,202	129	1,202	183	[1]173,597	[1]172,551	128,954	11,619	9,872	[2]1,475	[3]272	[3]146	20,044
145	Mineral industries	396	490	112	490	183	122,738	121,692	87,368	9,045	7,298	1,475	272	146	14,897
	Included in manufactures	520	712	17	712	xxx	[1]50,859	[1]50,859	41,586	2,574	2,574	(NA)	(NA)	(NA)	5,147
1452	Bentonite	29	41	15	41	25	16,843	(D)	12,220	709	543	145	21	6	1,140
	Fire clay	235	317	28	317	31	[1]32,944	[1]32,759	25,848	2,400	2,084	[2]194	[3]122	[3]59	3,824
1453	Mineral industry	136	182	19	182	31	18,606	18,421	14,540	1,595	1,279	194	122	59	2,214
	Included in manufactures	104	135	9	135	xxx	[1]14,338	[1]14,338	11,308	805	805	(NA)	(NA)	(NA)	1,610
1454	Fuller's earth	13	14	6	14	11	8,692	(D)	5,955	659	527	125	7	...	1,145
1455	Kaolin and ball clay	41	53	26	53	43	42,434	(D)	30,990	3,412	2,722	672	18	6	5,675
1456	Feldspar	64	74	10	74	12	6,889	6,433	4,531	619	496	71	52	44	1,028
1457	Magnesite and brucite	4	4	3	4	3	7,270	7,270	5,978	338	267	70	1	1	428
	Clay and related minerals, nec	525	699	41	699	58	[1]58,525	(D)	43,432	3,482	3,233	[2]198	[3]51	[3]30	6,804
1459	Mineral industry	109	122	33	122	58	22,004	(D)	13,154	1,713	1,464	198	51	30	3,267
	Included in manufactures	439	577	8	577	xxx	[1]36,521	[1]36,521	30,278	1,769	1,769	(NA)	(NA)	(NA)	3,537
147	Chemical and fertilizer minerals	207	271	102	243	170	464,612	427,472	335,153	20,699	14,832	5,724	143	66	30,405
1472	Barite	41	53	8	52	35	13,768	(D)	11,321	962	781	148	33	19	1,588
1473	Fluorspar	50	55	11	51	27	19,977	16,639	12,653	1,301	1,044	191	66	27	2,105
1474	Potash, soda, borate minerals	19	21	14	21	17	141,115	(D)	111,082	6,664	4,590	2,071	3	...	9,212
1475	Phosphate rock	43	65	37	52	44	132,094	99,109	64,375	5,420	3,955	1,438	27	14	8,255
1476	Rock salt	18	22	12	22	21	41,813	(D)	34,073	1,991	1,602	382	7	4	3,508
1477	Sulfur	14	24	13	24	5	106,202	106,202	94,063	3,679	2,303	1,374	2	...	4,644
1479	Chemical-fertilizer mining, nec	28	31	7	21	21	9,643	(D)	7,586	682	557	120	5	2	1,093
148	Nonmetallic minerals services	74	75	6	xxx	xxx	7,934	7,934	6,217	1,188	1,037	72	79	44	1,893
1481	Nonmetallic minerals stripping	46	47	3	xxx	xxx	4,787	4,787	3,780	676	588	38	50	29	1,069
1482	Nonmetallic services, nec	28	28	3	xxx	xxx	3,147	3,147	2,437	512	449	34	29	15	824
	Miscellaneous minerals, nec	439	507	71	507	250	[1]107,707	[1]107,418	86,150	6,858	5,512	[2]969	[3]377	[3]217	11,179
149	Mineral industries	432	475	55	475	250	80,583	80,294	62,355	5,993	4,647	969	377	217	9,449
	Included in manufactures	8	32	16	32	xxx	[1]27,124	[1]27,124	23,795	865	865	(NA)	(NA)	(NA)	1,730
	Gypsum	36	64	20	64	19	[1]34,172	[1]34,172	29,753	1,291	1,219	[2]52	[3]20	[3]10	2,506
1492	Mineral industry	29	32	4	32	19	7,048	7,048	5,958	426	354	52	20	10	776
	Included in manufactures	8	32	16	32	xxx	[1]27,124	[1]27,124	23,795	865	865	(NA)	(NA)	(NA)	1,730
1493	Mica	142	149	8	149	56	6,221	6,216	4,974	916	649	78	189	115	1,204
1494	Native asphalt and bitumens	8	10	5	10	9	8,041	8,041	5,954	468	367	97	4	...	732
1495	Pumice and pumicite	63	64	2	64	28	5,002	5,002	4,058	350	271	45	34	12	409
1496	Talc, soapstone, pyrophyllite	43	64	12	64	23	14,908	(D)	11,755	1,328	1,123	171	34	17	2,289
1497	Natural abrasives, except sand	20	20	4	20	16	3,373	3,373	2,648	245	204	25	16	8	408
1498	Peat	80	81	3	81	60	4,379	4,370	3,640	448	335	54	59	47	613
1499	Nonmetallic minerals, nec	47	55	17	55	39	31,611	(D)	23,368	1,812	1,344	447	21	8	3,018

D Withheld to avoid disclosing figures for individual companies.
NA Not available.
[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products.

United States, by Industry Group and Industry: 1958—Continued

captions see Introduction)

Principal expenses designated below ($1,000)									Capital expenditures ($1,000)						
Total	Wages and salaries		Minerals received for preparation	Supplies and purchases for resale	Purchased fuels	Purchased electricity	Contract work	Purchased machinery installed ($1,000).	Total	Development and exploration of mineral property	Preparation plant and other construction	New machinery and equipment	Used plant and equipment	Energy used (million kwh equivalent)	Ind. code
	Production and development workers	Other employees													
27,248	15,286	3,263	1,318	5,749	432	669	531	1,417	1,910	[2]5	398	1,378	129	198	
5,910	2,429	284	...	574	202	173	248	148	482	5	238	192	47	64	
23,338	12,857	2,979	1,318	5,175	230	496	283	1,269	1,428	(NA)	160	1,186	82	134	
421,398	170,407	[2]41,135	2,185	[4]155,108	[4]21,809	[4]14,513	[4]16,241	[2]51,238	[2]68,720	[3]1,959	[2]16,161	[2]43,772	[2]6,828	[2]8,307	
376,171	147,266	41,135	2,185	133,022	21,809	14,513	16,241	51,238	68,720	1,959	16,161	43,772	6,828	8,307	1421
45,227	23,141	(NA)	xxx	[6]22,086	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
328,283	134,120	[2]32,103	2,056	[4]119,126	[4]17,442	[4]10,881	[4]12,555	[2]38,894	[2]54,334	[3]1,752	[2]12,411	[2]34,801	[2]5,370	[2]6,878	
283,467	111,255	32,103	2,056	97,175	17,442	10,881	12,555	38,894	54,334	1,752	12,411	34,801	5,370	6,878	
44,816	22,865	(NA)	xxx	[4]21,951	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
27,943	10,771	2,204	...	12,351	674	1,309	634	5,838	4,703	61	948	3,310	384	384	
65,172	25,516	[2]6,828	129	[4]23,631	[4]3,693	[4]2,323	[4]3,052	[2]6,506	[2]9,683	[3]146	[2]2,802	[2]5,661	[2]1,074	[2]1,045	
64,761	25,240	6,828	129	23,496	3,693	2,323	3,052	6,506	9,683	146	2,802	5,661	1,074	1,045	
411	276	(NA)	xxx	[4]135	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
335,059	145,460	[2]37,885	870	[4]96,036	[4]25,342	[4]14,099	[4]15,367	[2]38,469	[2]56,562	[3]1,842	[2]14,894	[2]28,975	[2]10,851	[2]8,596	
316,757	134,441	37,885	870	88,753	25,342	14,099	15,367	38,469	56,562	1,842	14,894	28,975	10,851	8,596	1441
18,302	11,019	(NA)	xxx	[4]7,283	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
309,717	135,821	[2]34,582	793	[4]88,293	[4]23,085	[4]12,471	[4]14,672	[2]35,177	[2]52,818	[3]1,808	[2]13,569	[2]26,634	[3]10,807	[2]7,249	
291,415	124,802	34,582	793	81,010	23,085	12,471	14,672	35,177	52,818	1,808	13,569	26,634	10,807	7,249	
18,302	11,019	(NA)	xxx	[4]7,283	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
15,511	5,730	1,767	([5])	[5]5,520	1,265	1,084	145	2,360	2,703	19	1,012	1,656	16	966	
9,831	3,909	1,536	([5])	[5]2,300	992	544	550	932	1,041	15	313	685	28	381	
95,324	37,551	[2]9,277	874	[4]30,568	[4]9,605	[4]3,585	[4]3,864	[2]9,344	[2]13,197	[3]753	[2]3,485	[2]8,498	[2]461	[2]5,477	
75,380	26,880	9,277	874	21,295	9,605	3,585	3,864	9,344	13,197	753	3,485	8,498	461	5,477	145
19,944	10,671	(NA)	xxx	[4]9,273	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
7,582	1,996	889	([5])	[5]2,406	720	390	1,181	1,009	1,083	125	4	946	8	576	1452
17,145	8,606	[2]1,031	176	[4]5,148	[4]1,090	[4]264	[4]830	[2]1,695	[2]2,107	[3]189	[2]153	[2]1,562	[2]203	[2]382	
10,498	4,989	1,031	176	2,118	1,090	264	830	1,695	2,107	189	153	1,562	203	382	1453
6,647	3,617	(NA)	xxx	[4]3,030	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
5,452	1,673	726	([5])	[5]1,754	748	270	281	263	579	25	231	321	2	323	1454
26,696	9,719	4,295	([5])	[5]8,739	2,157	1,194	592	2,913	4,151	330	1,053	2,676	92	1,433	1455
4,306	1,515	404	456	1,055	324	396	156	1,277	1,306	22	208	1,053	23	127	1456
4,092	1,386	539	...	1,010	794	220	143	114	989	...	934	55	...	391	1457
30,051	12,656	[2]1,393	...	[4]10,698	[4]3,772	[4]851	[4]681	[2]2,073	[2]2,982	[3]62	[2]902	[2]1,885	[2]133	[2]2,245	
16,754	5,602	1,393	...	4,455	3,772	851	681	2,073	2,982	62	902	1,885	133	2,245	1459
13,297	7,054	(NA)	xxx	[4]6,243	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	((NA)	
261,192	74,527	41,449	46,019	55,790	18,432	11,641	13,334	23,373	39,130	2,139	3,655	32,684	652	24,464	147
6,571	2,698	704	([5])	[5]1,953	281	554	381	251	973	204	426	307	36	198	1472
13,742	4,336	1,280	3,338	2,504	563	594	1,127	764	1,566	627	160	702	77	379	1473
75,557	26,746	14,321	([5])	[5]22,643	7,144	3,026	1,677	6,936	11,393	608	1,557	8,994	234	8,452	1474
94,536	17,185	10,025	41,864	12,776	3,562	6,729	2,395	6,095	5,702	426	307	4,916	53	3,120	1475
19,218	7,937	3,059	([5])	[5]7,363	311	455	93	2,125	2,607	9	480	2,118	...	416	1476
45,914	13,267	11,303	...	7,363	6,440	45	7,496	7,077	16,282	(D)	(D)	(D)	(D)	11,819	1477
5,654	2,358	757	([5])	[5]2,005	131	238	165	125	607	(D)	(D)	(D)	(D)	80	1479
5,387	3,038	484	xxx	1,289	379	51	146	700	848	xxx	74	705	69	105	148
3,021	1,636	271	xxx	686	259	32	137	484	591	xxx	22	506	63	73	1481
2,366	1,402	213	xxx	603	120	19	9	216	257	xxx	52	199	6	32	1482
52,228	21,160	[2]6,022	270	[4]17,294	[4]2,736	[4]2,180	[4]2,566	[2]5,851	[2]9,340	[3]1,036	[2]1,822	[3]5,603	[2]879	[2]1,371	
45,116	17,377	6,022	270	13,965	2,736	2,180	2,566	5,851	9,340	1,036	1,822	5,603	879	1,371	149
7,112	3,783	(NA)	xxx	[4]3,329	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
10,249	5,264	[2]324	...	[4]4,304	[4]166	[4]118	[4]73	[2]578	[2]820	[3]28	[2]69	[3]682	[2]41	[2]74	
3,137	1,481	324	...	975	166	118	73	578	820	28	69	682	41	74	1492
7,112	3,783	(NA)	xxx	[4]3,329	([4])	([4])	([4])	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
3,848	1,709	298	...	995	336	206	304	577	1,171	315	218	434	204	115	1493
4,558	1,398	867	...	1,538	79	270	406	517	723	175	19	510	19	50	1494
2,360	907	196	...	760	270	68	159	267	580	54	212	205	109	111	1495
8,862	4,157	1,163	([5])	[5]2,428	291	547	276	509	898	128	169	482	119	153	1496
1,793	801	206	...	513	181	22	70	88	149	1	42	106	...	73	1497
2,386	974	308	...	762	174	34	134	446	811	137	111	455	108	79	1498
18,172	5,950	2,660	([5])	[5]6,264	1,239	915	1,144	2,869	4,188	198	982	2,729	279	716	1499

[2]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[3]Excludes data for mining operations in manufacturing establishments.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of purchased fuels, purchased electricity, and contract work is included with the cost of supplies and purchases for resale.

[5]The cost of minerals received for preparation is included with the cost of supplies and purchases for resale.

[6]Data for preparation plant and other construction are included with those for used plant and equipment.

Table 3.—Selected Statistics for Mineral

(For explanation of column

	Division and State	Establishments, number				Value of shipments and receipts[1] ($1,000)	Value added in mining ($1,000)	Number of employees			Man-hours worked by production and development workers (1,000)
		Total	With 20 or more employees	Including mining operations	Including preparation plants			Total	Production and development workers	Other employees[2]	
1	United States, total	37,784	6,279	31,130	8,619	18,450,826	13,680,973	753,537	584,012	169,525	1,116,774
2	Mineral industries	36,218	6,029	29,564	8,397	18,089,834	13,381,494	732,632	564,281	168,351	1,077,864
3	Included in manufactures	1,566	250	1,566	222	360,992	299,479	20,905	19,731	1,174	38,910
	MINERAL INDUSTRIES										
4	New England	344	39	339	217	44,034	32,301	3,616	2,745	871	5,744
5	Maine	55	2	54	27	2,826	2,104	301	266	35	547
6	New Hampshire	38	3	37	25	2,866	1,977	234	200	34	413
7	Vermont	41	7	40	25	9,575	6,823	790	674	116	1,350
8	Massachusetts	111	12	110	66	14,151	10,624	1,285	824	461	1,750
9	Rhode Island	18	3	18	13	1,630	1,377	147	117	30	218
10	Connecticut	81	12	80	61	12,986	9,396	859	664	195	1,466
11	Middle Atlantic	4,500	636	4,030	1,165	1,160,015	733,341	87,398	72,795	14,603	124,374
12	New York	543	69	502	217	147,603	115,960	9,657	6,405	3,252	13,626
13	New Jersey	135	42	133	103	48,651	37,638	3,748	2,812	936	5,593
14	Pennsylvania	3,822	525	3,395	845	963,761	579,743	73,993	63,578	10,415	105,155
15	East North Central	4,313	659	3,792	1,634	1,324,808	936,363	74,732	60,937	13,795	114,357
16	Ohio	1,436	187	1,287	523	286,321	191,336	20,790	15,907	4,883	29,764
17	Indiana	720	95	648	230	136,511	102,989	8,768	7,076	1,692	13,069
18	Illinois	1,323	253	1,096	406	638,774	452,357	27,112	22,848	4,264	43,151
19	Michigan	539	87	473	234	218,308	158,001	14,326	11,865	2,461	22,065
20	Wisconsin	295	37	288	241	44,894	31,680	3,736	3,241	495	6,308
21	West North Central	3,221	452	2,679	1,032	1.267,166	918,673	50,928	38,591	12,337	76,427
22	Minnesota	289	89	280	198	420,698	311,745	17,178	11,726	5,452	22,295
23	Iowa	293	40	290	212	45,066	32,720	2,914	2,457	457	5,431
24	Missouri	435	69	412	248	87,073	66,386	8,454	6,319	2,135	12,122
25	North Dakota	167	25	136	42	65,573	40,287	1,955	1,552	403	3,456
26	South Dakota	133	13	130	51	34,898	25,145	2,569	2,215	354	4,615
27	Nebraska	305	27	264	124	81,168	64,037	2,082	1,719	363	3,435
28	Kansas	1,599	189	1,167	157	532,690	378,353	15,776	12,603	3,173	25,073
29	South Atlantic	4,701	899	4,351	1,232	1,411,426	939,989	106,066	92,417	13,649	161,799
30	Delaware and Maryland	176	30	168	77	35,451	22,604	2,340	1,996	344	3,800
31	Virginia	1,033	196	995	219	199,246	135,472	18,014	15,672	2,342	26,377
32	West Virginia	2,817	472	2,546	536	890,770	606,633	68,603	60,160	8,443	100,839
33	North Carolina	231	53	221	105	39,328	27,516	3,701	3,334	367	6,812
34	South Carolina	65	21	63	46	18,687	13,090	1,513	1,272	241	2,613
35	Georgia	173	58	169	95	74,746	52,022	5,201	4,500	701	9,669
36	Florida	206	69	189	154	153,198	82,652	6,694	5,483	1,211	11,689
37	East South Central	3,215	575	2,817	762	983,325	651,249	62,083	54,294	7,789	93,251
38	Kentucky	2,111	334	1,829	381	492,520	320,296	36,098	32,099	3,999	53,115
39	Tennessee	533	94	508	201	106,763	68,559	8,744	7,514	1,230	13,845
40	Alabama	316	83	295	139	196,029	127,055	11,939	10,555	1,384	17,501
41	Mississippi	255	64	185	41	188,013	135,339	5,302	4,126	1,176	8,790
42	West South Central	10,062	1,896	6,744	832	7,917,123	6,158,639	225,804	151,708	74,096	320,248
43	Arkansas	443	61	352	86	136,473	110,530	5,302	4,074	1,228	7,924
44	Louisiana	1,121	344	673	124	1,902,976	1,527,697	46,136	33,268	12,868	75,422
45	Oklahoma	2,643	342	1,916	166	860,630	673,995	38,237	24,659	13,578	47,635
46	Texas	5,855	1,149	3,803	456	5,017,044	3,846,417	136,129	89,707	46,422	189,257
47	Mountain	3,803	566	3,106	781	2,447,655	1,745,655	84,958	64,732	20,226	128,802
48	Montana	440	39	373	68	180,292	115,932	8,448	5,824	2,624	10,994
49	Idaho	170	22	165	79	52,084	36,815	3,932	3,305	627	6,344
50	Wyoming	492	87	345	70	406,917	343,940	8,612	6,004	2,608	11,994
51	Colorado	967	129	815	193	362,473	249,446	14,109	9,854	4,255	19,015
52	New Mexico	761	142	523	112	704,630	531,972	17,483	13,541	3,942	28,068
53	Arizona	320	40	307	93	249,442	189,015	15,283	12,136	3,147	24,540
54	Utah	450	79	388	94	428,030	246,198	14,014	11,598	2,416	22,851
55	Nevada	203	28	190	72	63,789	32,337	3,077	2,470	607	4,996
56	Pacific	2,059	307	1,706	742	1,534,282	1,265,284	37,047	26,062	10,985	52,871
57	Washington	200	28	192	107	34,136	23,917	2,035	1,597	438	2,792
58	Oregon	201	13	196	131	19,911	15,879	1,220	991	229	1,982
59	California	1,658	266	1,318	504	1,480,235	1,225,488	33,792	23,474	10,318	48,097

See footnotes at end of table.

Operations, by Divisions and States: 1958

captions see Introduction)

Principal expenses designated below ($1,000)								Purchased machinery installed[2]	Capital expenditures[2] ($1,000)			Energy used[2] (kwh equivalent)		
Total	Wages and salaries: Production and development workers	Wages and salaries: Other employees[2]	Minerals received for preparation	Supplies and purchases for resale[3]	Purchased fuels[3]	Purchased electricity[3]	Contract work[3]	($1,000)	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment	Total (million)	Per production worker (1,000)	
10,379,288	2,695,588	1,131,104	1,758,380	2,460,250	275,732	202,604	1,855,630	1,017,571	2,800,314	1,140,198	1,660,116	405,414	694	1
10,231,181	2,616,273	1,124,015	1,756,454	2,403,671	274,943	201,055	1,854,770	1,015,257	2,797,810	1,140,198	1,657,612	404,935	718	2
148,107	79,315	7,089	1,926	56,579	789	1,549	860	2,314	2,504	(NA)	2,504	479	(4)	3
30,487	11,760	5,717	122	7,792	2,220	1,484	1,392	2,693	3,970	131	3,839	711	259	4
1,907	883	122	...	525	223	72	82	252	432	79	353	74	278	5
1,890	708	243	112	444	115	73	195	174	224	2	222	34	170	6
6,270	2,528	677	...	1,988	441	400	236	381	694	39	655	189	280	7
10,869	3,887	3,190	...	2,123	792	461	416	962	1,227	4	1,223	223	271	8
897	452	131	...	98	111	49	56	161	222	3	219	29	248	9
8,654	3,302	1,354	10	2,614	538	429	407	763	1,171	4	1,167	162	244	10
872,933	324,407	94,351	164,191	155,957	22,096	30,078	81,853	65,188	92,689	17,483	75,206	14,926	205	11
95,520	34,002	23,025	4,979	20,871	4,554	4,068	4,021	5,930	12,780	3,942	8,838	2,766	432	12
32,084	13,366	6,119	80	8,426	1,492	1,771	830	2,311	3,897	1,012	2,885	655	233	13
745,329	277,039	65,207	159,132	126,660	16,050	24,239	77,002	56,947	76,012	12,529	63,483	11,505	181	14
826,874	292,921	92,477	130,043	187,077	29,641	28,667	66,048	73,860	126,891	25,786	101,105	18,184	298	15
213,173	73,356	34,951	29,599	48,531	8,645	5,247	12,844	19,213	29,094	4,615	24,479	2,907	183	16
79,922	32,432	11,117	2,372	21,098	3,231	3,638	6,034	12,479	15,330	2,262	13,068	1,630	230	17
350,882	113,007	29,644	81,294	76,016	9,239	13,611	28,071	31,155	52,969	13,117	39,852	8,647	378	18
150,060	59,292	13,926	15,783	33,005	6,295	4,689	17,070	8,450	24,985	5,118	19,867	4,304	363	19
32,837	14,834	2,839	995	8,427	2,231	1,482	2,029	2,563	4,513	674	3,839	696	215	20
677,495	174,836	78,219	93,109	171,912	34,757	18,503	106,159	69,131	145,078	47,891	97,187	23,645	613	21
213,750	59,543	37,532	29,743	55,284	13,385	7,270	10,993	7,547	15,269	2,847	12,422	7,824	667	22
26,752	9,763	2,757	368	8,548	2,552	651	2,113	4,467	6,353	143	6,210	941	383	23
63,214	26,181	11,766	826	14,887	3,060	3,234	3,260	8,784	13,364	1 872	11,492	1,305	207	24
52,326	8,023	2,681	(5)	5 18,316	1,668	227	21,411	9,579	25,915	9,044	16,871	805	519	25
23,382	10,667	1,963	(5)	5 8,391	795	784	782	1,529	2,528	320	2,208	484	219	26
35,273	7,204	1,947	(5)	5 12,340	1,884	377	11,521	5,322	14,313	5,772	8,541	1,457	848	27
262,798	53,455	19,573	56,074	60,244	11,413	5,960	56,079	31,903	67,336	27,893	39,443	10,829	859	28
997,941	399,482	78,814	6 194,560	6 227,547	19,711	34,600	43,227	93,637	141,845	15,642	126,203	14,697	159	29
23,074	7,462	2,232	2,504	7,130	1,057	736	1,953	3,325	3,858	110	3,748	346	173	30
150,791	57,270	11,129	29,209	34,530	2,778	3,799	12,076	17,774	36,392	1,728	34,664	1,635	104	31
643,012	282,825	51,204	122,885	138,966	5,644	18,542	22,946	51,493	76,339	12,025	64,314	6,922	115	32
24,990	10,292	1,982	371	8,742	1,645	1,348	610	2,996	3,900	288	3,612	723	217	33
11,230	4,020	1,243	(5)	5 4,703	705	399	160	1,480	1,850	167	1,683	282	222	34
43,128	15,591	3,984	879	16,147	3,301	2,098	1,128	6,996	7,825	356	7,469	1,880	418	35
101,716	22,022	7,040	38,712	17,329	4,581	7,678	4,354	9,573	11,681	968	10,713	2,909	531	36
640,046	220,315	43,406	130,558	150,135	14,025	16,915	64,692	55,421	99,670	27,901	71,769	12,104	223	37
338,577	129,032	20,433	75,908	73,249	5,351	9,987	24,617	28,063	44,951	9,781	35,170	4,143	129	38
73,522	26,774	5,872	(5)	5 32,085	3,421	2,139	3,231	5,868	8,540	1,095	7,445	1,939	258	39
127,350	45,551	9,508	(5)	5 57,264	2,444	4,131	8,452	10,355	13,672	1,009	12,663	1,491	141	40
100,547	18,958	7,593	15,406	26,781	2,809	658	28,392	11,135	32,507	16,016	16,491	4,531	1,098	41
4,060,176	719,783	511,397	634,542	996,197	99,359	31,842	1,067,056	464,945	1,535,457	737,804	797,653	237,107	1,563	42
57,823	16,362	7,063	7 3,456	7 16,464	2,186	1,208	11,084	7,814	16,269	5,867	10,402	3,750	920	43
1,065,448	174,570	90,359	112,644	307,959	27,581	3,151	349,184	144,851	570,091	290,513	279,578	47,946	1,441	44
507,751	104,668	90,653	7 50,538	7 116,622	12,062	6,361	126,847	60,422	186,217	96,686	89,531	31,635	1,283	45
2,429,654	424,183	323,322	465,790	557,266	57,530	21,122	579,941	251,858	762,880	344,738	418,142	153,776	1,714	46
1,503,358	329,888	133,590	8 288,677	8 374,780	36,107	25,295	315,021	142,625	480,505	181,986	298,519	46,449	718	47
124,435	27,859	16,257	33,014	24,724	2,288	2,662	17,631	7,466	23,425	9,105	14,320	2,879	494	48
37,871	16,366	4,520	2,147	9,022	1,256	1,114	3,446	1,195	2,911	1,358	1,553	580	175	49
159,290	30,939	18,005	16,718	36,717	4,464	2,706	49,741	18,729	66,098	32,748	33,350	7,175	1,195	50
216,995	47,493	28,743	37,038	57,755	5,628	4,000	36,338	31,374	59,106	14,832	44,274	6,230	632	51
446,205	70,076	27,137	89,911	106,812	8,944	4,067	139,258	47,837	224,171	86,049	138,122	19,431	1,435	52
164,208	61,656	18,216	7,973	46,680	5,482	5,789	18,412	6,012	29,921	10,396	19,525	4,579	377	53
304,495	62,855	17,052	101,876	66,076	6,200	3,190	47,246	22,368	65,124	26,828	38,296	4,722	407	54
49,869	12,644	3,660	(5)	5 26,996	1,845	1,767	2,949	7,644	9,749	670	9,079	853	345	55
621,871	142,881	86,044	9 108,176	9 144,750	17,027	13,671	109,322	47,757	171,705	85,574	86,131	37,106	1,424	56
22,345	7,881	3,010	9 500	9 7,459	1,068	453	1,974	1,568	2,803	490	2,313	475	297	57
15,263	4,962	1,299	166	4,552	1,046	205	3,033	1,632	6,602	910	5,692	345	348	58
584,263	130,038	81,735	107,510	132,739	14,913	13,013	104,315	44,557	162,300	84,174	78,126	36,286	1,546	59

Table 3.–Selected Statistics for Mineral Operations,

(For explanation of column

	Division and State	Establishments, number				Value of shipments and receipts[1] ($1,000)	Value added in mining ($1,000)	Number of employees			Man-hours worked by production and development workers (1,000)
		Total	With 20 or more employees	Including mining operations	Including preparation plants			Total	Production and development workers	Other employees[2]	
	INCLUDED IN MANUFACTURES										
1	New England	99	19	99	37	27,198	21,657	2,905	2,485	420	5,108
2	Maine	13	5	13	4	2,877	2,278	279	264	15	532
3	New Hampshire	7	1	7	2	992	774	94	82	12	166
4	Vermont	26	9	26	21	11,597	8,943	1,781	1,483	298	3,095
5	Massachusetts	33	3	33	5	9,680	8,032	618	533	85	1,076
6	Rhode Island	4	1	4	2	752	486	65	57	8	104
7	Connecticut	16	...	16	3	1,300	1,144	68	66	2	135
8	Middle Atlantic	250	47	250	48	53,956	45,848	2,989	2,907	82	5,747
9	New York	79	13	79	16	16,055	13,631	803	772	31	1,516
10	New Jersey	15	2	15	1	3,310	3,025	111	111	...	221
11	Pennsylvania	156	32	156	31	34,591	29,192	2,075	2,024	51	4,010
12	East North Central	349	53	349	35	69,654	57,951	4,235	4,037	198	7,699
13	Ohio	163	23	163	3	27,333	22,311	1,478	1,452	26	2,922
14	Indiana	61	14	61	12	17,607	14,939	1,650	1,515	135	2,714
15	Illinois	52	5	52	1	11,067	9,873	370	370	...	740
16	Michigan	35	4	35	1	8,978	7,463	346	345	1	634
17	Wisconsin	38	7	38	18	4,669	3,365	391	355	36	689
18	West North Central	163	32	163	22	48,052	37,823	2,672	2,490	182	5,143
19	Minnesota	28	7	28	7	10,937	7,932	986	874	112	1,912
20	Iowa	42	4	42	1	9,567	8,382	232	232	...	453
21	Missouri	34	11	34	4	16,213	11,906	877	826	51	1,704
22	North Dakota	5	...	5	...	159	123	12	12	...	21
23	South Dakota	9	3	9	3	1,646	1,111	173	163	10	336
24	Nebraska	12	2	12	2	2,085	1,834	99	99	...	194
25	Kansas	33	5	33	5	7,445	6,535	293	284	9	523
26	South Atlantic	174	31	174	27	36,020	29,775	2,750	2,585	165	4,964
27	Delaware, Maryland, and Dist. of Col.	32	1	32	4	5,810	4,906	202	199	3	391
28	Virginia	33	8	33	4	8,162	7,099	586	568	18	1,083
29	West Virginia	9	2	9	...	1,614	1,310	112	112	...	221
30	North Carolina	36	4	36	6	5,229	4,241	564	510	54	952
31	South Carolina	21	1	21	...	1,654	1,409	78	78	...	155
32	Georgia	29	12	29	11	7,799	6,026	981	893	88	1,709
33	Florida	14	3	14	2	5,752	4,784	227	225	2	453
34	East South Central	96	20	96	12	24,619	20,585	1,672	1,596	76	3,124
35	Kentucky	12	...	12	...	1,115	1,052	36	36	...	72
36	Tennessee	29	12	29	9	8,991	7,442	948	897	51	1,726
37	Alabama	41	8	41	3	13,367	11,199	644	619	25	1,244
38	Mississippi	14	...	14	...	1,146	892	44	44	...	82
39	West South Central	154	22	154	15	32,483	27,482	1,457	1,421	36	2,758
40	Arkansas	20	5	20	5	4,611	3,929	333	325	8	601
41	Louisiana	11	...	11	...	550	356	25	25	...	48
42	Oklahoma	25	5	25	5	3,476	2,929	221	217	4	409
43	Texas	98	12	98	5	23,846	20,268	878	854	24	1,700
44	Mountain	113	8	113	10	27,989	24,544	848	843	5	1,659
45	Montana	13	...	13	...	1,209	1,061	42	42	...	79
46	Idaho	13	...	13	1	1,758	1,612	47	47	...	92
47	Wyoming	12	...	12	...	1,012	830	32	32	...	62
48	Colorado	25	3	25	4	7,047	6,450	164	160	4	325
49	New Mexico	9	...	9	2	2,441	2,174	69	68	1	129
50	Arizona	18	3	18	1	7,735	6,518	326	326	...	649
51	Utah	18	...	18	2	4,258	3,934	86	86	...	162
52	Nevada	5	2	5	...	2,529	1,965	82	82	...	161
53	Pacific	168	18	168	16	41,021	33,814	1,377	1,367	10	2,708
54	Washington	39	2	39	5	5,084	4,469	201	198	3	395
55	Oregon	29	2	29	3	3,174	2,754	147	147	...	288
56	California	100	14	100	8	32,763	26,591	1,029	1,022	7	2,025

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products.

[2]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. Also for "Capital expenditures for development and exploration of mineral property," excludes data for dimension stone mining operations in manufacturing establishments.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments the cost of purchased fuels, purchased electricity, and contract work is included with the cost of supplies and purchases for resale.

[4]Not shown since separate figures for energy used in mining operations in manufacturing establishments were not reported for the major portion of all such operations.

[5]The cost of minerals received for preparation is included with the cost of supplies and purchases for resale.

by Divisions and States: 1958—Continued

captions see Introduction)

Principal expenses designated below ($1,000)								Purchased machinery installed[2]	Capital expenditures[2] ($1,000)			Energy used[2] (kwh equivalent)		
Total	Wages and salaries: Production and development workers	Wages and salaries: Other employees[2]	Minerals received for preparation	Supplies and purchases for resale[3]	Purchased fuels[3]	Purchased electricity[3]	Contract work[3]	($1,000)	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment	Total (million)	Per production worker (1,000)	
17,752	9,767	2,426	428	4,308	294	318	211	681	699	(NA)	699	163	(4)	1
1,594	921	74	(10)	10599	(10)	(10)	(10)	28	28	(NA)	28	16	(4)	2
774	458	125	...	10191	(10)	(10)	(10)	14144	1491	(NA)	1491	143	(4)	3
9,538	5,407	1,407	(5)	52,289	176	160	99	480	550	(NA)	550	102	(4)	4
4,853	2,461	743	...	101,649	(10)	(10)	(10)	26	27	(NA)	27	41	(4)	5
554	252	62	(10)	10240	(10)	(10)	(10)	(14)	(14)	(NA)	(14)	(14)	(4)	6
439	268	15	...	10156	(10)	(10)	(10)	3	3	(NA)	3	(12)	(4)	7
20,830	12,207	461	45	137,957	1354	1385	1321	13219	13273	(NA)	13273	32	(4)	8
5,955	3,398	108	...	2,408	12	12	17	128	153	(NA)	153	6	(4)	9
755	470	...	...	13285	(13)	(13)	(13)	(13)	(13)	(NA)	(13)	(12)	(4)	10
14,120	8,339	353	45	5,264	42	73	4	91	120	(NA)	120	26	(4)	11
30,371	17,415	1,227	26	10,969	202	313	219	13593	13619	(NA)	13619	133	(4)	12
11,712	6,568	115	...	115,029	(11)	(11)	...	15	22	(NA)	22	20	(4)	13
9,717	6,115	915	...	2,116	127	258	186	443	462	(NA)	462	94	(4)	14
2,902	1,708	...	...	111,194	(11)	(11)	...	...	...	(NA)	...	1	(4)	15
3,009	1,490	4	...	111,515	(11)	(11)	...	(13)	(13)	(NA)	(13)	(12)	(4)	16
3,031	1,534	193	26	111,245	(11)	(11)	33	135	135	(NA)	135	18	(4)	17
21,791	10,116	1,446	(5)	59,444	87	412	286	13195	13195	(NA)	13195	70	(4)	18
7,477	3,496	976	...	2,640	59	306	...	36	36	(NA)	36	54	(4)	19
2,285	1,100	...	...	1,185	...	...	...	(13)	(13)	(NA)	(13)	(12)	(4)	20
8,019	3,372	340	(10)	104,307	(10)	(10)	(10)	97	97	(NA)	97	7	(4)	21
69	33	...	...	36	...	...	...	...	...	(NA)	...	...	(4)	22
1,227	591	101	...	10535	(10)	(10)	(10)	54	54	(NA)	54	5	(4)	23
671	420	...	...	251	...	...	...	(13)	(13)	(NA)	(13)	(12)	(4)	24
2,043	1,104	29	...	11908	(11)	(11)	2	8	8	(NA)	8	4	(4)	25
15,928	8,827	826	282	135,673	1385	13211	1324	13359	13389	(NA)	13389	43	(4)	26
1,842	924	14	...	11904	(11)	(11)	...	3	3	(NA)	3	1	(4)	27
3,035	1,884	88	...	111,063	(11)	(11)	...	3	3	(NA)	3	3	(4)	28
876	572	...	...	304	...	...	...	...	...	(NA)	...	...	(4)	29
2,647	1,419	236	172	733	33	53	1	71	75	(NA)	75	14	(4)	30
528	283	...	...	245	...	...	...	...	...	(NA)	...	...	(4)	31
4,961	2,682	480	(5)	51,594	35	147	23	282	308	(NA)	308	25	(4)	32
2,039	1,063	8	(10)	10968	(10)	(10)	(10)	(13)	(13)	(NA)	(13)	(12)	(4)	33
9,581	5,085	441	190	3,678	35	149	3	143	164	(NA)	164	24	(4)	34
184	121	...	...	63	...	...	...	...	...	(NA)	...	...	(4)	35
4,509	2,637	302	(5)	111,567	(11)	(11)	3	117	138	(NA)	138	16	(4)	36
4,498	2,191	139	(5)	112,168	(11)	(11)	...	26	26	(NA)	26	8	(4)	37
390	136	...	...	254	...	...	...	...	...	(NA)	...	...	(4)	38
10,361	5,144	182	120	4,807	16	56	36	14	48	(NA)	48	8	(4)	39
1,844	1,141	21	(10)	10682	(10)	(10)	(10)	2	2	(NA)	2	2	(4)	40
292	98	...	...	194	...	...	...	...	...	(NA)	...	...	(4)	41
1,311	735	8	...	11568	(11)	(11)	...	...	21	(NA)	21	3	(4)	42
6,914	3,170	153	(10)	103,591	(10)	(10)	(10)	12	25	(NA)	25	3	(4)	43
7,317	3,851	15	...	113,445	(11)	(11)	6	45	51	(NA)	51	2	(4)	44
327	179	...	...	148	...	...	...	...	...	(NA)	...	...	(4)	45
345	199	...	...	10146	(10)	(10)	(10)	...	...	(NA)	...	...	(4)	46
335	153	...	...	182	...	...	...	...	...	(NA)	...	...	(4)	47
1,290	673	14	...	10603	(10)	(10)	(10)	16	22	(NA)	22	2	(4)	48
547	279	1	...	267	...	...	...	...	...	(NA)	...	...	(4)	49
2,818	1,601	...	...	1,217	...	...	...	29	29	(NA)	29	(12)	(4)	50
707	383	...	...	324	...	...	...						(4)	51
948	384	...	...	564	...	...	...	...	...	(NA)	...	...	(4)	52
14,176	6,903	65	(5)	117,154	(11)	(11)	54	50	51	(NA)	51	7	(4)	53
1,701	1,063	23	...	10615	(10)	(10)	...	15	15	(NA)	15	6	(4)	54
1,080	660	...	...	10420	(10)	(10)	(10)	...	...	(NA)	...	...	(4)	55
11,395	5,180	42	(10)	106,173	(10)	(10)	(10)	35	36	(NA)	36	1	(4)	56

[6]For South Carolina, the cost of minerals received for preparation is included with the cost of supplies and purchases for resale.
[7]For the Metal Mining Industries, the cost of minerals received for preparation is included with the cost of supplies and purchases for resale.
[8]For Nevada, the cost of minerals received for preparation is included with the cost of supplies and purchases for resale.
[9]For Washington, the cost of minerals received for preparation in the Metal Mining and Nonmetallic Minerals Mining Industries is included with the cost of supplies and purchases for resale.
[10]For dimension stone operations in manufacturing industries the cost of minerals received for preparation, purchased fuels, purchased electricity, and contract work is included with the cost of supplies and purchases for resale.
[11]For dimension stone operations in manufacturing industries, the cost of purchased fuels and purchased electricity is included with the cost of supplies and purchases for resale. For Tennessee, Alabama, and Pacific, see also footnote 5.
[12]Less than one-half of the unit of measure specified.
[13]For dimension stone operations in New Jersey and Florida, the cost of purchased fuels, purchased electricity, and contract work are included with the cost of supplies and purchases for resale. For dimension stone operations in New Jersey, Michigan, Iowa, Nebraska, and Florida, the cost of purchased machinery and capital expenditures are excluded from the State and division totals.
[14]Figures for Rhode Island are included with those for New Hampshire.

Table 4.–Selected Statistics for Mineral Operations in the United States,

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4]		
										Total	Performing manual labor	
	All mineral operations:											
	Including oil and gas extraction:											
1	1958	31,926	37,784	31,130	8,619	16,715,395	13,680,973	584,012	169,525	36,827	16,042	1,116,774
2	1954	32,932	38,663	32,244	8,814	e14,450,664	11,740,054	666,621	139,347	40,176	20,958	1,288,461
3	1939	20,658	(NA)	22,162	5,450	3,413,954	2,765,396	774,130	82,259	16,040	7,068	1,287,852
	Excluding oil and gas extraction:											
4	1958	16,611	19,283	18,414	8,026	6,059,363	4,645,684	370,077	70,660	16,442	9,124	676,672
5	1954	17,848	21,078	20,736	8,232	e5,220,719	4,066,360	431,138	59,095	20,352	13,959	796,743
6	1939	11,310	(NA)	13,557	4,716	1,754,123	1,429,122	625,134	45,105	8,310	5,213	1,022,824
7	1929	(NA)	10,996	12,506	(NA)	2,392,831	1,955,804	812,220	53,331	4,897	(NA)	(NA)
	Metal mining:											
8	1958	1,906	2,233	2,056	602	1,571,191	1,187,327	71,402	21,099	1,848	1,190	136,750
9	1954	2,961	3,496	3,356	993	e1,361,035	e1,075,519	81,896	18,354	3,525	2,721	168,346
10	1939	1,886	(NA)	2,095	693	517,377	416,956	89,791	10,344	1,169	824	190,835
11	1929	(NA)	1,799	2,007	(NA)	633,821	496,335	115,775	9,802	313	(NA)	(NA)
	Iron ores:											
12	1958	127	242	232	123	635,388	500,232	23,659	7,917	130	83	41,737
13	1954	94	225	298	123	539,160	435,668	28,216	5,954	73	46	53,288
14	1939	116	(NA)	196	44	150,871	133,390	20,377	2,274	32	14	38,513
15	1929	(NA)	186	124	(NA)	197,335	167,127	28,623	2,490	9	(NA)	(NA)
	Copper ores:											
16	1958	112	148	140	36	374,428	266,485	20,898	6,744	104	69	41,021
17	1954	179	210	201	48	409,911	334,876	21,544	6,269	184	145	46,676
18	1939	35	(NA)	51	27	141,634	108,494	23,844	2,908	...	...	51,239
19	1929	(NA)	143	180	45	283,517	221,690	44,502	3,465	76	(NA)	(NA)
	Lead and zinc ores:											
20	1958	226	288	275	69	103,843	73,679	8,728	2,499	212	141	16,734
21	1954	411	520	491	141	140,132	107,409	13,592	2,974	450	343	27,554
22	1939	208	(NA)	260	124	62,651	47,310	15,731	1,994	89	48	32,481
23	1929	(NA)	303	375	188	112,428	84,793	25,907	1,818	78	(NA)	(NA)
	Lode gold and Silver ores:											
24	1958	302	305	303	58	40,655	33,023	3,088	487	251	185	6,348
25	1954	384	399	392	159	38,943	31,740	3,699	576	366	289	8,108
26	1939	1,004	(NA)	1,038	365	105,780	82,863	21,847	2,034	631	492	50,577
27	1929	(NA)	241	258	94	26,107	17,604	7,946	663	114	(NA)	(NA)
	Placer gold:											
28	1958	73	74	74	74	6,326	4,873	323	41	77	56	723
29	1954	131	136	136	116	5,916	3,614	501	55	173	145	1,255
30	1939	307	(NA)	340	339	28,027	21,935	3,228	477	260	167	8,088
31	1929	(NA)	32	37	(NA)	3,779	2,582	578	90	18	(NA)	(NA)
	Bauxite:											
32	1958	12	29	23	8	17,374	15,430	502	203	7	6	905
33	1954	12	25	20	9	16,029	12,827	661	191	2	...	1,288
34	1939	10	(NA)	12	11	2,527	1,965	727	100	...	...	1,176
35	1929	(NA)	9	11	(NA)	2,239	1,781	602	87	1	(NA)	(NA)
	Manganese ores:											
36	1958	182	186	176	68	34,330	20,014	1,792	307	209	128	3,475
37	1954	319	367	360	63	27,016	18,118	2,266	338	458	386	4,293
38	1939	26	(NA)	34	14	945	707	504	41	12	4	959
39	1929	(NA)	19	21	(NA)	1,184	967	354	35	4	(NA)	(NA)
	Tungsten ores:											
40	1958	32	32	28	18	714,430	8,164	508	130	19	9	977
41	1954	500	549	524	171	49,846	40,744	2,635	352	714	634	6,327
42	1939	39	(NA)	53	32	3,354	2,427	701	143	31	22	1,639
43	1929	(NA)	12	13	(NA)	734	540	186	31	3	(NA)	(NA)
	Ferroalloy ores, nec:											
44	1958	75	76	73	26	57,675	46,077	2,080	621	110	69	3,883
45	1954	155	170	158	63	60,075	48,537	1,937	550	243	194	4,502
46	1939	17	(NA)	16	7	15,458	13,271	963	141	9	5	2,088
	Metal mining services:											
47	1958	91	95	xxx	xxx	32,384	22,862	1,973	211	85	50	4,274
48	1954	114	114	xxx	xxx	38,539	26,703	2,863	196	82	55	6,519
49	1939	69	69	xxx	xxx	2,368	1,822	637	58	49	28	1,344

See footnotes at end of table.

by Major Industry Group and Industry: 1958, 1954, 1939, and 1929

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)						Purchased machinery installed[3] ($1,000)	Capital expenditures ($1,000)				Energy used[3] (million kwh equivalent)	
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]		Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]		
Production and development workers	Other employees[3]											
2,695,588	1,131,104	2,460,250	275,732	202,604	1,855,630	1,017,571	1,140,198	466,585	1,095,225	98,306	405,414	1
2,639,378	817,601	2,023,377	206,491	161,083	1,827,372	1,214,881	1,309,076	313,905	992,399	110,285	373,126	2
970,546	204,225	307,980	60,965	69,245	210,368	(NA)	(NA)	27,435	241,135	21,962	224,898	3
1,684,909	442,363	1,058,850	145,080	149,271	296,300	363,339	64,885	206,846	299,224	39,624	95,101	4
1,662,783	331,753	855,028	109,681	126,066	269,513	351,676	79,118	155,083	224,649	40,499	88,030	5
750,111	106,278	220,789	34,718	62,144	7,350	(NA)	(NA)	16,217	52,666	9,451	77,131	6
1,099,895	139,023	298,198	49,146	71,769	17,914	86,733	89,646	(NA)	(NA)	(NA)	133,790	7
356,209	131,577	282,406	37,986	37,230	132,405	69,531	44,228	97,647	65,298	7,118	27,383	8
353,303	109,722	[6]229,913	26,936	32,662	117,079	86,891	64,569	84,313	65,655	6,530	21,087	9
127,111	26,806	68,719	10,400	18,686	2,616	(NA)	(NA)	5,409	14,775	3,342	14,628	10
178,319	27,484	93,951	17,098	18,975	7,462	25,391	59,682	(NA)	(NA)	(NA)	24,727	11
120,618	53,769	80,320	17,447	14,000	29,510	18,516	10,913	11,944	18,675	1,217	11,106	12
119,688	37,221	75,866	9,549	13,767	47,515	36,994	23,515	32,790	27,955	718	5,928	13
27,431	5,895	10,791	2,280	4,174	236	(NA)	(NA)	784	3,550	210	3,246	14
41,049	6,385	18,717	5,332	4,607	1,552	4,016	10,223	(NA)	(NA)	(NA)	7,763	15
106,357	37,144	86,587	9,744	9,476	22,024	19,191	9,720	14,835	16,534	3,785	10,239	16
98,491	37,574	72,822	8,576	6,278	43,873	23,821	23,750	35,265	21,955	1,240	9,255	17
34,486	8,078	23,562	4,168	4,899	511	(NA)	(NA)	1,822	2,577	1,507	6,693	18
73,200	10,136	43,995	9,210	6,027	2,595	13,084	22,151	(NA)	(NA)	(NA)	12,200	19
39,001	15,396	21,185	1,058	5,869	2,952	2,920	4,160	1,845	2,502	112	1,153	20
53,676	17,687	24,673	1,409	6,838	6,080	5,942	6,509	2,054	2,509	448	1,641	21
20,253	5,084	10,580	848	3,550	363	(NA)	(NA)	390	778	339	1,556	22
39,191	5,053	18,344	1,536	6,102	1,653	3,752	8,172	(NA)	(NA)	(NA)	2,964	23
15,549	2,655	7,188	774	1,227	580	1,065	1,116	871	651	246	457	24
15,409	2,898	7,184	674	991	684	1,356	1,624	728	590	301	720	25
33,321	4,973	16,261	1,595	3,921	1,140	(NA)	(NA)	1,890	3,588	615	1,830	26
12,983	1,738	5,934	558	1,317	694	1,509	5,641	(NA)	(NA)	(NA)	1,130	27
1,515	275	1,070	94	431	85	113	65	91	115	69	71	28
1,997	314	1,554	248	661	41	302	180	52	121	151	170	29
5,632	1,162	3,780	700	1,471	141	(NA)	(NA)	135	3,348	442	510	30
970	260	590	1	604	2	359	76	(NA)	(NA)	(NA)	69	31
2,290	1,316	728	258	172	445	1,483	24	107	1,247	30	151	32
2,529	1,052	789	239	134	1,603	356	24	11	271	4	170	33
578	241	269	187	60	46	(NA)	(NA)	20	173	7	270	34
513	277	216	122	38	82	96	13	(NA)	(NA)	(NA)	(NA)	35
7,244	1,792	5,216	1,101	677	2,807	1,085	469	253	1,113	355	582	36
7,643	1,649	5,087	721	477	3,573	2,304	607	708	1,366	583	477	37
483	83	161	37	40	...	(NA)	(NA)	3	29	6	37	38
392	88	140	32	39	6	12	40	(NA)	(NA)	(NA)	73	39
1,993	914	1,385	17	217	7	98	17	32	56	17	25	40
13,148	1,610	8,295	933	753	1,885	3,562	2,168	1,267	2,224	667	371	41
1,114	254	659	99	114	55	(NA)	(NA)	163	205	104	41	42
297	61	127	10	53	4	14	92	(NA)	(NA)	(NA)	(NA)	43
10,218	4,550	9,216	553	1,369	3,718	975	817	2,370	925	121	315	44
10,539	3,946	9,853	357	1,289	3,359	2,609	410	3,334	1,987	198	280	45
1,499	561	1,736	44	364	43	(NA)	(NA)	42	102	40	44	46
10,624	1,473	7,657	1,271	60	432	1,365	xxx	34	1,155	74	340	47
13,933	1,335	10,412	1,273	133	509	2,049	xxx	523	1,522	355	358	48
853	132	382	144	20	(NA)	(NA)	xxx	(NA)	(NA)	(NA)	(NA)	49

Table 4.–Selected Statistics for Mineral Operations in the United States, by

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4] Total	Proprietors and firm members[4] Performing manual labor	
	Metal mining--Continued											
	Mercury ores:											
1	1958	77	79	78	72	[7]8,607	7,093	569	83	78	62	1,223
2	1954	81	87	87	75	[7]4,519	3,355	372	81	125	110	841
3	1939	72	(NA)	69	60	1,830	1,425	621	81	51	41	1,421
4	1929	(NA)	40	40	(NA)	2,820	2,042	1,029	88	10	(NA)	(NA)
	Titanium ores:											
5	1958	9	11	10	11	16,531	12,746	706	256	...	...	1,234
6	1954	7	10	8	8	[7]12,750	11,134	568	275	1	1	1,261
7	1939	3	(NA)	3	3	458	370	183	13	...	...	322
	Uranium-radium-vanadium ores:											
8	1958	563	602	582	30	226,999	174,802	6,389	1,550	507	291	13,873
9	1954	572	637	636	8	(NA)	(NA)	2,944	523	614	339	6,227
10	1939	8	(NA)	8	6	1,472	1,043	378	63	5	3	879
	Metallic ores, nec:											
11	1958	66	66	62	9	[7]3,018	1,847	187	50	59	41	343
12	1954	44	47	45	9	[7]1,325	794	98	20	40	34	207
	Anthracite mining:											
13	1958	1,157	1,248	1,065	188	234,000	164,489	20,047	2,766	1,863	1,298	30,867
14	1954	1,296	1,436	1,263	196	291,408	196,835	33,026	4,436	2,338	2,065	48,266
15	1939	359	(NA)	518	163	201,126	154,023	83,112	5,480	301	161	124,462
16	1929	(NA)	198	303	(NA)	384,854	320,756	142,801	8,370	38	(NA)	(NA)
	Anthracite:											
17	1958	1,075	1,163	1,065	188	199,214	142,198	17,266	2,446	1,795	1,253	26,409
18	1954	1,160	1,291	1,263	196	248,513	167,090	28,823	3,946	2,201	1,985	42,061
19	1939	289	(NA)	518	163	189,648	146,418	80,429	5,284	232	139	120,085
20	1929	(NA)	198	303	(NA)	384,854	320,756	142,801	8,370	38	(NA)	(NA)
	Anthracite stripping services:											
21	1958	78	79	xxx	xxx	34,463	22,027	2,737	317	60	42	4,395
22	1954	131	132	xxx	xxx	42,048	29,079	4,074	482	126	72	6,038
23	1939	58	58	xxx	xxx	10,936	7,126	2,461	185	56	21	4,038
	Anthracite mining services, nec:											
24	1958	6	6	xxx	xxx	323	264	44	3	8	3	63
25	1954	13	13	xxx	xxx	847	666	129	8	11	8	167
26	1939	13	13	xxx	xxx	542	479	222	11	13	1	339
	Bituminous coal and lignite mining:											
27	1958	6,300	6,930	6,561	1,831	2,091,428	1,609,964	163,533	24,173	7,311	3,785	267,699
28	1954	6,104	6,855	6,844	628	1,806,319	1,418,384	199,655	19,178	7,760	5,485	325,769
29	1939	5,182	(NA)	5,847	365	731,427	610,674	370,944	19,834	4,676	3,409	545,702
30	1929	(NA)	4,995	5,639	(NA)	966,694	819,976	458,835	23,686	2,983	(NA)	(NA)
	Bituminous coal:											
31	1958	6,102	6,715	6,503	1,807	2,058,794	1,585,541	161,711	23,965	7,071	3,629	264,308
32	1954	5,913	6,643	6,784	628	1,778,336	1,396,774	197,819	18,994	7,539	5,324	322,410
33	1939	5,021	(NA)	5,716	365	727,358	607,318	369,265	19,690	4,497	3,271	542,310
	Lignite:											
34	1958	53	58	58	24	11,035	9,309	437	73	57	38	844
35	1954	56	60	60	...	10,387	9,093	505	69	57	43	901
36	1939	130	(NA)	131	...	3,457	2,879	1,480	115	144	118	3,027
	Coal stripping services, nec and Coal mining services, nec:											
37	1958	157	157	xxx	xxx	21,599	15,114	1,385	135	183	118	2,547
38	1954	152	152	xxx	xxx	[7]17,596	12,517	1,331	115	164	118	2,458
39	1939	32	32	xxx	xxx	612	477	199	29	35	20	365
	Oil and gas extraction:											
40	1958	15,363	18,501	12,716	593	10,656,032	9,035,289	213,935	98,865	20,385	6,918	440,102
41	1954	15,099	17,585	11,508	582	9,229,945	7,673,694	235,483	80,252	19,824	6,999	491,718
42	1939	9,348	10,909	8,605	736	1,659,831	1,242,473	148,996	37,154	7,730	1,855	265,028
	Crude petroleum and natural gas:											
43	1958	9,835	11,993	11,993	xxx	8,384,586	7,339,922	102,445	77,595	14,281	3,984	200,930
44	1954	9,720	11,508	11,508	xxx	7,070,062	6,129,213	109,792	62,714	13,316	3,886	216,581
45	1939	8,061	8,605	8,605	xxx	1,375,954	1,071,989	105,505	30,546	6,294	1,346	190,674

See footnotes at end of table.

Major Industry Group and Industry: 1958, 1954, 1939, and 1929--Continued

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)							Capital expenditures ($1,000)					
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]	Purchased machinery installed[3] ($1,000)	Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]	Energy used[3] (million kwh equivalent)	
Production and development workers	Other employees[3]											
2,627	485	[8]1,462	387	102	55	370	290	131	352	89	129	1
1,607	365	[8]1,160	204	61	28	226	167	176	116	56	78	2
752	164	229	139	33	4	(NA)	(NA)	68	139	54	92	3
1,383	220	464	230	69	15	618	460	(NA)	(NA)	(NA)	140	4
2,882	1,614	[8]3,252	614	1,077	121	1,831	39	329	2,115	...	426	5
2,397	1,302	[8]2,801	449	743	335	1,286	...	2,904	1,092	2	361	6
140	42	38	15	35	...	(NA)	(NA)	15	72	...	18	7
34,439	9,983	57,027	4,525	2,505	69,613	20,092	16,499	64,578	19,660	828	2,344	8
11,908	2,660	9,844	2,263	505	7,462	5,336	5,494	4,289	3,842	1,168	1,266	9
497	112	244	140	...	45	(NA)	(NA)	77	169	17	224	10
852	211	[8]1,196	143	48	56	427	99	227	198	175	45	11
338	109	[8]655	41	32	132	748	121	212	105	639	12	12
79,425	13,971	29,930	4,062	7,325	40,505	10,033	3,818	1,879	9,683	1,211	3,881	13
113,932	21,997	29,027	3,932	8,787	51,226	9,270	1,438	2,241	4,767	2,048	7,198	14
107,798	12,252	25,489	3,920	6,524	11,170	(NA)	(NA)	1,771	2,882	322	19,716	15
229,967	21,282	43,367	7,420	6,509	6,802	5,580	7,902	(NA)	(NA)	(NA)	42,694	16
67,449	12,024	20,777	2,346	6,814	39,319	6,317	3,818	1,811	6,333	842	3,347	17
98,678	19,392	20,224	2,038	8,397	50,156	5,667	1,438	2,148	3,367	931	6,589	18
104,378	11,482	22,496	3,275	6,430	11,029	(NA)	(NA)	1,771	1,974	221	19,455	19
229,967	21,282	43,367	7,420	6,509	6,802	5,580	7,902	(NA)	(NA)	(NA)	42,694	20
11,780	1,937	9,101	1,708	511	1,186	3,615	xxx	68	3,349	268	526	21
14,809	2,571	8,651	1,868	390	1,068	3,529	xxx	93	1,371	1,073	602	22
3,166	749	2,956	619	94	141	(NA)	xxx	899		101	261	23
196	10	52	8	...	...	101	xxx	...	1	101	8	24
445	34	152	26	...	2	74	xxx	xxx	29	44	7	25
254	21	37	26	...	(NA)	(NA)	xxx	9			(NA)	26
760,364	152,420	373,569	23,536	56,676	70,632	151,955	9,058	66,663	101,219	11,255	14,903	27
764,863	109,442	322,916	17,111	47,802	55,188	121,640	3,601	34,168	66,206	14,836	15,351	28
432,188	44,488	88,516	5,432	24,895	1,910	(NA)	(NA)	5,321	22,471	2,967	22,587	29
574,919	58,647	106,560	7,529	30,739	1,890	34,947	16,928	(NA)	(NA)	(NA)	37,766	30
751,584	151,175	368,722	21,628	56,309	69,727	147,493	8,984	66,462	97,783	10,738	14,303	31
757,175	108,474	319,298	15,712	47,512	54,231	118,481	3,586	33,948	63,845	14,382	14,854	32
430,564	44,183	88,093	5,299	24,749	1,899	(NA)	(NA)	5,305	22,357	2,947	22,339	33
2,261	432	1,133	210	260	33	1,522	74	69	1,236	53	111	34
2,177	411	627	239	254	206	607	15	134	479	11	144	35
1,384	219	342	80	145	11	(NA)	(NA)	16	73	20	248	36
6,519	813	3,714	1,698	107	872	2,940	xxx	132	2,200	464	489	37
5,511	557	2,991	1,160	36	751	2,552	xxx	86	1,882	443	353	38
240	86	81	53	1	(NA)	(NA)	xxx	41			(NA)	39
1,010,679	688,741	1,401,400	130,652	53,333	1,559,330	654,232	1,075,313	259,739	796,001	58,682	310,313	40
976,595	485,848	1,168,349	96,810	35,017	1,557,859	863,205	1,229,958	158,822	767,750	69,786	285,096	41
220,435	97,947	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	42
497,571	544,615	951,911	56,204	45,770	1,449,571	486,021	1,062,206	197,674	646,389	37,224	137,440	43
459,955	375,785	692,682	36,177	30,624	1,458,807	621,048	1,206,214	98,229	558,950	35,061	141,655	44
155,700	79,199	78,538	19,647	6,746	199,034	(NA)	(NA)	9,757	177,849	11,561	92,788	45

Table 4.–Selected Statistics for Mineral Operations in the United States, by

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4]		
										Total	Performing manual labor	
	Oil and gas extraction--Continued											
	Natural gas liquids:											
1	1958	176	593	xxx	593	706,915	587,580	13,445	3,069	52	8	26,947
2	1954	181	562	xxx	582	582,866	425,937	13,560	3,780	72	13	27,862
3	1939	295	685	xxx	736	96,338	(NA)	8,332	2,005	10	2	16,634
	Drilling oil and gas wells services:											
4	1958	2,911	3,064	592	xxx	902,721	587,440	52,274	7,137	3,206	1,346	109,470
5	1954	2,846	2,869	(NA)	xxx	968,129	623,967	62,145	5,831	3,399	1,684	133,216
6	1939	985	985	(NA)	xxx	128,107	(NA)	22,548	1,676	862	292	38,621
	Oil and gas exploration services:											
7	1958	329	347	3	xxx	86,108	64,353	7,559	1,998	279	127	16,695
8	1954	309	330	(NA)	xxx	[7]114,815	81,301	10,010	1,478	191	148	23,978
	Oil and gas field services, nec:											
9	1958	2,456	2,504	128	xxx	575,702	455,994	38,212	9,066	2,567	1,453	86,060
10	1954	2,313	2,316	(NA)	xxx	[7]543,460	413,276	39,976	6,449	2,846	1,268	90,081
	Nonmetallic minerals mining:											
	1958:											
	Including operations in manufactures											
11		7,236	8,872	8,732	5,405	2,162,744	1,683,904	115,095	[3]22,622	[4]5,420	[4]2,851	241,356
12	Mineral industries only	6,137	7,306	7,166	5,183	1,807,622	1,384,425	95,364	21,448	5,420	2,851	202,446
	1954:											
	Including operations in manufactures											
13		7,571	9,291	9,273	6,415	1,761,957	1,375,622	116,561	[3]17,127	[4]6,729	[4]3,688	254,362
14	Mineral industries only	6,623	8,074	8,054	6,211	1,522,755	1,181,986	97,081	16,347	6,561	3,568	214,799
15	1939	4,127	(NA)	5,097	3,459	323,043	255,702	81,287	9,113	2,164	819	161,824
16	1929[9]	(NA)	4,004	4,557	(NA)	407,461	318,737	94,808	11,462	1,563	(NA)	(NA)
	Dimension stone:											
	1958:											
	Including operations in manufactures											
17		504	557	557	231	83,446	67,131	10,825	1,425	[4]269	[4]175	20,679
18	Mineralindustry only	306	335	335	9	15,719	13,076	2,055	251	269	175	3,690
	1954:											
19	Including operations in manufactures	523	555	558	204	76,282	61,774	11,389	936	467	253	23,155
20	Mineral industry only	322	351	352	...	18,418	15,155	3,068	156	299	133	5,893
	Mineral industry only:											
	Dimension limestone:											
21	1958	65	68	68	4	4,174	3,741	491	92	57	38	879
22	1954	63	65	65	...	3,398	2,942	472	28	72	41	872
23	1939	33	(NA)	40	...	1,541	1,368	617	55	13	(NA)	(NA)
	Dimension granite:											
24	1958	63	76	76	1	5,517	4,085	681	59	45	24	1,277
25	1954	79	86	86	...	5,738	4,590	917	50	55	25	1,769
26	1939	77	(NA)	93	...	3,268	2,674	1,163	75	59	(NA)	(NA)
	Dimension stone, nec:											
27	1958	178	191	191	4	6,028	5,250	883	100	167	113	1,534
28	1954	180	200	200	...	9,282	7,623	1,679	78	172	67	3,252
29	1939	44	(NA)	51	...	1,547	1,241	945	35	31	3	(NA)
	Crushed and broken stone:											
	1958:											
30	Including operations in manufactures	1,680	2,176	2,152	1,813	741,038	562,435	39,846	(NA)	(NA)	(NA)	85,594
31	Mineral industry only	1,597	1,957	1,933	1,813	602,305	445,788	34,865	6,539	1,323	611	75,632
	1954:											
32	Including operations in manufactures	1,632	2,166	2,166	1,790	577,793	435,453	39,465	(NA)	(NA)	(NA)	88,257
33	Mineral industry only	1,522	1,911	1,911	1,790	458,846	338,418	33,178	4,293	1,270	603	75,680
	Mineral industry only:											
	Crushed and broken limestone:											
34	1958	1,176	1,458	1,441	1,387	446,860	334,368	26,372	5,036	1,088	499	57,112
35	1954	1,174	1,447	1,443	1,362	323,703	239,604	24,925	3,315	1,017	490	56,335
36	1939	716	(NA)	918	(NA)	55,172	41,432	17,655	1,726	507	(NA)	(NA)
37	1929	(NA)	742	785	(NA)	66,908	(NA)	16,443	(NA)	(NA)	(NA)	(NA)

See footnotes at end of table.

Major Industry Group and Industry: 1958, 1954, 1939, and 1929—Continued

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)							Capital expenditures ($1,000)					
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]	Purchased machinery installed[3] ($1,000)	Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]	Energy used[3] (million kwh equivalent)	
Production and development workers	Other employees[3]											
75,739	20,580	46,026	4,521	4,696	44,983	39,836	xxx	53,566	40,441	923	142,130	1
63,983	21,074	43,891	1,964	3,190	36,726	65,752	xxx	55,794	51,227	2,938	113,449	2
13,212	5,052	8,653	6,600	355	3,984	(NA)	xxx	1,461	10,620	949	54,979	3
239,328	49,915	241,491	40,942	1,261	51,366	84,457	12,953	3,322	68,149	17,594	22,617	4
264,797	39,515	298,789	36,704	320	46,048	120,385	23,416	1,939	99,722	28,391	23,302	5
36,020	5,917	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6
31,115	12,534	16,396	3,535	295	3,643	6,075	...	554	6,207	321	949	7
40,813	8,654	23,480	3,586	106	6,547	6,537	...	32	6,360	350	942	8
166,926	61,097	145,576	25,450	1,311	9,767	37,843	154	4,623	34,815	2,620	7,177	9
147,047	40,820	109,507	18,379	777	9,731	49,483	328	2,828	51,491	3,046	5,748	10
488,911	[3]144,395	[5]372,945	[5]79,496	[5]48,040	[5]52,758	[3]131,820	[4]7,781	[3]40,657	[3]123,024	[3]20,040	[3]48,934	11
409,596	137,306	316,366	78,707	46,491	51,898	129,506	7,781	40,450	120,939	19,828	48,455	12
430,685	[3]90,592	[5]273,172	[5]61,702	[5]36,815	[5]46,020	[3]133,875	[4]9,510	[3]34,361	[3]88,021	[3]17,085	[3]44,394	13
363,604	86,416	230,371	60,899	35,351	45,386	132,102	9,401	34,054	86,808	16,805	43,792	14
83,014	21,641	38,065	14,966	12,040	2,270	(NA)	(NA)	3,716	12,634	2,820	20,200	15
116,691	31,608	54,319	17,098	15,547	1,760	20,814	5,135	(NA)	(NA)	(NA)	28,603	16
36,768	8,143	16,860	1,193	1,971	1,240	2,845	52	566	2,787	300	614	17
6,067	1,054	2,252	404	422	380	531	52	359	702	88	135	18
35,364	4,863	11,544	1,204	1,853	1,208	2,664	178	393	1,794	491	744	19
7,938	687	2,482	401	389	574	891	69	86	581	211	142	20
1,592	528	385	87	78	91	294	15	70	388	29	33	21
1,429	127	586	87	54	52	158	...	...	89	36	34	22
632	89	80	36	53	4	(NA)	(NA)	5	18	10	39	23
2,046	242	1,293	115	171	41	89	32	51	122	12	38	24
2,404	235	693	96	229	149	226	30	5	157	53	35	25
1,297	182	313	67	200	14	(NA)	(NA)	14	50	21	77	26
2,429	284	574	202	173	248	148	5	238	192	47	64	27
4,105	325	1,203	218	106	373	507	39	81	335	122	73	28
730	77	146	89	57	14	(NA)	(NA)	...	10	11	159	29
170,407	(NA)	[5]155,108	[5]21,809	[5]14,513	[5]16,241	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	30
147,266	41,135	133,022	21,809	14,513	16,241	51,238	1,959	16,161	43,772	6,828	8,307	31
146,149	(NA)	[5]108,772	[5]16,081	[5]11,871	[5]10,734	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	32
122,733	22,739	86,960	16,081	11,871	10,734	44,751	1,387	11,918	26,347	5,376	6,897	33
111,255	32,103	97,175	17,442	10,881	12,555	38,894	1,752	12,411	34,801	5,370	6,878	34
90,715	17,103	58,726	11,913	8,634	7,336	32,622	1,219	7,638	19,153	3,963	4,956	35
17,064	3,850	7,720	2,735	2,780	507	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	36
19,437	(NA)	12,693	2,399	2,592	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	37

Table 4.–Selected Statistics for Mineral Operations in the United States, by

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4]		
										Total	Performing manual labor	
	Nonmetallic minerals mining--Continued											
	Crushed and broken stone--Continued											
	Mineral industry only--Continued											
	Crushed and broken granite:											
1	1958	87	121	121	108	49,391	33,493	2,906	403	32	14	6,442
2	1954	75	101	99	88	[7]30,875	22,201	2,344	206	55	24	5,607
3	1939	59	(NA)	79	74	7,030	5,042	2,100	232	22	10	4,574
4	1929	(NA)	86	89	(NA)	6,751	4,871	2,066	(NA)	(NA)	(NA)	(NA)
	Crushed and broken stone, nec:											
5	1958	334	378	371	318	106,054	77,927	5,587	1,100	203	98	12,078
6	1954	273	363	369	315	[7]106,606	76,613	5,909	772	198	89	13,738
7	1939	229	(NA)	262	233	17,412	12,891	4,355	507	79	34	8,891
	Sand and gravel:											
	1958:											
8	Including operations in manufactures	3,690	4,084	4,071	2,758	622,885	497,864	33,171	(NA)	(NA)	(NA)	71,562
9	Mineral industry only	3,350	3,703	3,690	2,758	552,206	434,468	30,630	6,418	2,957	1,592	66,480
10	1954 (mineral industry only)	3,340	3,931	3,949	3,309	455,464	356,729	30,533	5,933	3,523	1,913	70,103
11	1939	1,253	1,569	1,563	1,528	79,403	61,935	16,959	2,818	796	290	35,785
12	1929	(NA)	1,072	1,325	(NA)	112,447	89,235	18,061	3,967	268	(NA)	(NA)
	Common sand and gravel (mineral subindustry only):											
13	1958	3,213	3,534	3,524	2,618	508,256	401,700	28,268	5,896	2,869	1,536	61,733
14	1954	3,196	3,756	3,766	3,156	[7]435,662	334,046	28,423	5,667	3,408	1,852	65,600
15	1939	1,129	1,383	1,380	1,383	69,130	53,870	14,584	2,445	711	253	31,324
16	1929	(NA)	957	1,165	(NA)	102,312	81,159	15,994	3,672	249	(NA)	(NA)
	Glass sand:											
17	1958	39	45	42	39	[7]28,343	20,672	1,339	289	14	8	2,833
18	1954	40	44	44	38	[7]18,591	13,701	1,144	151	26	11	2,505
19	1939	32	40	39	40	6,137	4,625	1,280	242	5	1	2,667
20	1929	(NA)	25	32	(NA)	5,359	4,082	1,030	95	...	(NA)	(NA)
	Molding sand:											
21	1958	98	124	124	101	[7]16,373	12,096	1,023	233	74	48	1,914
22	1954	105	131	139	115	[7]11,762	8,982	966	115	89	50	1,998
23	1939	97	146	144	105	4,136	3,440	1,095	131	80	36	1,794
24	1929	(NA)	90	128	(NA)	4,776	3,994	1,037	200	19	(NA)	(NA)
	Bentonite:											
25	1958	29	41	41	25	[7]16,843	12,220	543	145	21	6	1,140
26	1954	29	43	43	28	[7]21,830	16,350	578	56	23	7	1,340
27	1939	27	(NA)	29	20	1,982	1,463	357	62	4	1	687
	Fire clay:											
	1958:											
28	Including operations in manufactures	235	317	317	31	32,759	25,848	2,084	(NA)	(NA)	(NA)	3,824
29	Mineral industry only	136	182	182	31	18,421	14,540	1,279	194	122	59	2,214
	1954:											
30	Including operations in manufactures	279	353	357	61	31,659	24,335	3,011	(NA)	(NA)	(NA)	5,542
31	Mineral industry only	180	248	252	61	22,046	17,468	1,802	185	167	74	3,123
32	1939	200	(NA)	306	44	7,178	6,168	3,655	255	108	41	5,642
33	1929[10]	(NA)	199	236	(NA)	10,753	8,469	4,139	363	72	(NA)	(NA)
	Fuller's earth:											
34	1958	13	14	14	11	[7]8,692	5,955	527	125	7	...	1,145
35	1954	15	16	19	13	6,012	4,179	510	54	8	4	1,109
36	1939	21	(NA)	22	18	2,107	1,402	562	116	2	...	1,051
37	1929	(NA)	22	24	(NA)	4,812	3,589	991	105	...	...	(NA)
	Kaolin and ball clay:											
38	1958	41	53	53	43	[7]42,434	30,990	2,722	672	18	6	5,675
	1954:											
39	Including operations in manufactures	48	62	69	38	34,410	26,748	2,843	(NA)	(NA)	(NA)	6,205
40	Mineral industry only	40	54	61	38	31,878	25,249	2,820	328	19	7	6,159
41	1939	75	(NA)	95	53	7,239	5,437	3,168	266	26	3	5,987
	Feldspar:											
42	1958	64	74	74	12	6,433	4,531	496	71	52	44	1,028
43	1954	58	84	110	22	6,239	4,048	579	37	84	70	1,235
44	1939	47	(NA)	59	2	981	859	512	54	39	21	1,016
45	1929	(NA)	51	58	(NA)	1,935	1,599	598	95	10	(NA)	(NA)

See footnotes at end of table.

Major Industry Group and Industry: 1958, 1954, 1939, and 1929—Continued

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)						Purchased machinery installed[3] ($1,000)	Capital expenditures ($1,000)				Energy used[3] (million kwh equivalent)	
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]		Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]		
Production and development workers	Other employees[3]											
10,771	2,204	12,351	674	1,309	634	5,838	61	948	3,310	384	384	1
7,573	1,306	[8]6,506	747	838	729	3,041	13	844	1,841	489	282	2
1,782	573	1,405	223	334	26	(NA)	(NA)	75	210	50	166	3
2,162	(NA)	1,273	209	359	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4
25,240	6,828	23,496	3,693	2,323	3,052	6,506	146	2,802	5,661	1,074	1,045	5
24,445	4,330	[10]22,271	3,421	2,399	2,669	9,088	155	3,436	5,353	924	1,659	6
4,806	1,138	2,904	682	849	86	(NA)	(NA)	194	484	163	487	7
145,460	(NA)	[5]96,036	[5]25,342	[5]14,099	[5]15,367	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8
134,441	37,885	88,753	25,342	14,099	15,367	38,469	1,842	14,894	28,975	10,851	8,596	9
118,966	28,347	61,617	21,373	9,997	14,692	47,694	1,649	7,866	28,558	8,014	9,057	10
18,822	6,393	8,493	4,632	3,805	538	(NA)	(NA)	1,029	4,238	1,064	4,281	11
25,385	11,630	12,946	4,452	5,353	461	7,963	62	(NA)	(NA)	(NA)	6,681	12
124,802	34,582	81,010	23,085	12,471	14,672	35,177	1,808	13,569	26,634	10,807	7,249	13
111,600	26,958	57,481	19,758	8,797	13,919	45,825	1,573	7,420	27,254	7,917	7,978	14
16,482	5,447	7,432	4,156	3,273	399	(NA)	(NA)	870	3,752	1,028	3,645	15
22,780	10,746	11,917	3,990	4,921	325	7,174	...	(NA)	(NA)	(NA)	5,832	16
5,730	1,767	[8]5,520	1,265	1,084	145	2,360	19	1,012	1,656	16	966	17
4,279	819	3,208	840	807	166	965	34	258	789	15	746	18
1,456	600	747	322	366	77	(NA)	(NA)	124	319	5	496	19
1,314	278	675	282	305	15	433	50	(NA)	(NA)	(NA)	542	20
3,909	1,536	[8]2,300	992	544	550	932	15	313	685	28	381	21
3,087	570	928	775	393	607	904	42	188	515	82	333	22
884	346	314	154	166	62	(NA)	(NA)	35	167	31	140	23
1,291	606	354	180	127	121	356	12	(NA)	(NA)	(NA)	307	24
1,996	889	[8]2,406	720	390	1,181	1,009	125	4	946	8	576	25
1,920	215	[8]2,916	468	305	1,829	604	15	81	392	154	369	26
309	137	396	59	26	38	(NA)	(NA)	15	63	40	81	27
8,606	[3]1,031	[5]5,148	[5]1,090	[5]264	[5]830	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	28
4,989	1,031	2,118	1,090	264	830	1,695	189	153	1,562	203	382	29
9,783	(NA)	[5]4,729	[5]639	[5]305	[5]1,686	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	30
5,670	928	1,983	639	305	1,686	1,292	79	184	925	139	300	31
3,366	499	622	115	130	143	(NA)	(NA)	34	112	41	127	32
3,758	841	1,494	525	245	20	459	94	(NA)	(NA)	(NA)	944	33
1,673	726	[8]1,754	748	270	281	263	25	231	321	2	323	34
1,381	363	840	538	218	223	539	...	84	413	28	296	35
438	308	374	164	95	72	(NA)	(NA)	17	61	7	185	36
853	303	425	385	62	351	98	90	(NA)	(NA)	(NA)	411	37
9,719	4,295	[8]8,739	2,157	1,194	592	2,913	330	1,053	2,676	92	1,433	38
8,174	(NA)	[5]4,609	[5]1,524	[5]857	[5]1,362	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	39
8,115	1,828	4,576	1,524	857	1,362	2,601	109	1,449	2,733	...	1,134	40
1,830	637	896	530	241	135	(NA)	(NA)	203	958	59	750	41
1,515	404	1,055	324	396	156	1,277	22	208	1,053	23	127	42
1,523	199	1,400	238	302	365	294	36	94	259	19	102	43
383	113	81	28	8	5	(NA)	(NA)	7	37	2	6	44
527	203	239	21	62	14	28	32	(NA)	(NA)	(NA)	25	45

Table 4.–Selected Statistics for Mineral Operations in the United States, by

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4]		
										Total	Performing manual labor	
	Nonmetallic minerals mining--Continued											
	Magnesite and brucite:											
1	1958	4	4	4	3	7,270	5,978	267	70	1	1	428
2	1954	4	4	4	1	1,655	1,372	121	11	1	1	237
3	1939	3	(NA)	4	1	1,396	1,289	216	12	...	...	437
4	1929	(NA)	5	5	(NA)	2,044	1,448	351	27	...	...	(NA)
	Clay and related minerals, nec:											
	1958:											
5	Including operations in manufactures	525	699	699	58	[7]58,525	43,432	3,233	(NA)	(NA)	(NA)	6,804
6	Mineral industry only	109	122	122	58	[7]22,004	13,154	1,464	198	51	30	3,267
	1954:											
7	Including operations in manufactures	674	801	802	84	[7]39,038	29,109	3,653	(NA)	(NA)	(NA)	7,375
8	Mineral industry only	169	183	184	84	[7]13,504	9,783	1,053	98	99	50	2,174
9	1939	524	(NA)	617	75	6,481	5,124	2,989	77	78	8	5,646
	Barite:											
10	1958	41	53	52	35	[7]13,768	11,321	781	148	33	19	1,588
11	1954	36	42	45	35	18,269	14,051	1,036	89	35	18	2,403
12	1939	37	(NA)	47	32	2,065	1,652	792	62	16	4	1,439
13	1929	(NA)	(NA)	44	(NA)	1,802	1,489	844	71	9	(NA)	(NA)
	Fluorspar:											
14	1958	50	55	51	27	16,639	12,653	1,044	191	66	27	2,105
15	1954	94	104	105	33	13,733	9,914	997	263	114	82	2,001
16	1939	60	(NA)	61	53	3,397	2,655	1,287	109	49	13	2,568
17	1929	(NA)	28	36	(NA)	2,858	2,038	1,053	118	13	(NA)	(NA)
	Potash, soda, borate minerals:											
18	1958	18	21	21	17	[7]141,115	111,082	4,590	2,071	3	...	9,212
19	1954	15	20	20	16	[7]107,757	82,213	4,738	1,584	1	...	9,381
20	1939	15	(NA)	17	13	17,031	13,330	2,049	389	6	1	4,388
	Phosphate rock:											
21	1958	43	65	52	44	99,109	64,375	3,955	1,438	27	14	8,255
22	1954	53	75	73	54	82,583	62,089	4,579	861	44	21	10,119
23	1939	33	(NA)	40	50	12,286	9,003	3,372	382	12	...	6,680
24	1929	(NA)	26	33	(NA)	13,044	9,497	3,201	305	2	(NA)	(NA)
	Rock salt:											
25	1958	18	22	22	21	[7]41,813	34,073	1,602	382	7	4	3,508
26	1954	11	15	15	13	35,581	30,013	1,659	266	3	1	3,861
27	1939	17	(NA)	17	17	6,896	5,721	1,380	181	4	4	2,608
	Sulfur:											
28	1958	14	24	24	5	106,202	94,063	2,303	1,374	2	...	4,644
29	1954	12	20	16	5	140,685	124,166	3,077	1,018	...	...	6,229
30	1939	8	(NA)	10	2	31,812	28,863	1,517	507	1	1	3,031
31	1929	(NA)	9	10	(NA)	37,126	29,302	2,199	305	1	(NA)	(NA)
	Chemical-fertilizer mining, nec:											
32	1958	28	31	21	21	[7]9,643	7,586	557	120	5	2	1,093
33	1954	36	39	24	29	[7]21,780	18,074	1,209	233	15	7	2,424
34	1939[11]	8		7	4	602	458	189	15	5	1	348
	Nonmetallic minerals services:											
35	1958	74	75	xxx	xxx	7,934	6,217	1,037	72	79	44	1,893
36	1954	62	62	xxx	xxx	6,301	4,884	614	25	67	26	1,258
37	1939	65	65	xxx	xxx	966	725	307	28	68	27	632
	Gypsum:											
	1958:											
38	Including operations in manufactures	36	64	64	19	34,172	29,753	1,219	(NA)	(NA)	(NA)	2,506
39	Mineral industry only	29	32	32	19	7,048	5,958	354	52	20	10	776
	1954:											
40	Including operations in manufactures	38	64	61	22	[7]31,861	27,642	1,428	(NA)	(NA)	(NA)	2,984
41	Mineral industry only	34	37	34	22	[7]6,631	5,352	399	50	21	7	926
42	1939	34	(NA)	59	25	4,569	3,756	1,327	97	7	...	2,466
43	1929	(NA)	60	63	(NA)	5,740	4,516	2,078	134	2	(NA)	(NA)
	Mica:											
44	1958	142	149	149	56	6,216	4,974	649	78	189	115	1,204
45	1954	446	498	510	444	4,092	3,284	668	42	549	432	1,196
46	1939	22	(NA)	21	10	327	276	190	20	11	7	361
47	1929	(NA)	24	32	(NA)	516	415	226	23	1	(NA)	(NA)

See footnotes at end of table.

Major Industry Group and Industry: 1958, 1954, 1939, and 1929—Continued

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)						Purchased machinery installed[3] ($1,000)	Capital expenditures ($1,000)				Energy used[3] (million kwh equivalent)	
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]		Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]		
Production and development workers	Other employees[3]											
1,386	539	1,010	794	220	143	114	...	934	55	...	391	1
469	70	212	32	39	...	17	...	...	17	...	16	2
300	24	80	5	11	11	(NA)	(NA)	1	38	1	2	3
466	88	252	231	57	56	44	24	(NA)	(NA)	(NA)	247	4
12,656	(NA)	[5]10,698	[5]3,772	[5]851	[5]681	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	5
5,602	1,393	4,455	3,772	851	681	2,073	62	902	1,885	133	2,245	6
11,474	(NA)	[5]7,829	[5]1,212	[5]389	[5]1,190	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7
3,412	411	[8]1,621	1,212	389	1,190	1,161	48	699	970	135	1,126	8
2,861	125	647	392	219	99	(NA)	(NA)	41	164	86	425	9
2,698	704	[8]1,953	281	554	381	251	204	426	307	36	198	10
3,451	423	2,251	327	552	850	1,250	24	78	853	57	269	11
597	155	246	94	52	21	(NA)	(NA)	31	57	39	56	12
648	186	155	58	76	24	154	12	(NA)	(NA)	(NA)	84	13
4,336	1,280	2,504	563	594	1,127	764	627	160	702	77	379	14
3,451	1,415	2,195	495	513	804	561	140	145	429	35	380	15
1,134	228	506	118	61	57	(NA)	(NA)	106	429	27	358	16
1,112	290	626	153	24	17	140	157	(NA)	(NA)	(NA)	387	17
26,746	14,321	[8]22,643	7,144	3,026	1,677	6,936	608	1,557	8,994	234	8,452	18
23,028	10,411	[8]17,329	5,594	1,641	1,646	8,390	525	1,599	6,866	66	5,812	19
3,445	1,311	2,036	1,425	198	42	(NA)	(NA)	377	675	16	2,231	20
17,185	10,025	12,776	3,562	6,729	2,395	6,095	426	307	4,916	53	3,120	21
17,089	4,440	11,917	3,348	5,507	2,904	8,156	1,083	2,484	7,662	109	2,990	22
2,871	858	1,503	826	931	23	(NA)	(NA)	109	425	46	1,513	23
3,304	778	1,543	891	1,092	21	805	190	(NA)	(NA)	(NA)	1,648	24
7,937	3,059	[8]7,363	311	455	93	2,125	9	480	2,118	...	416	25
7,117	1,454	5,351	335	367	244	1,534	53	873	1,259	1	549	26
1,434	540	868	153	151	3	(NA)	(NA)	149	143	69	336	27
13,267	11,303	7,363	6,440	45	7,496	7,077	16,282				11,819	28
14,619	6,567	14,055	5,629	44	2,833	2,803	3,069	3,110	2,635	31	12,854	29
2,545	1,911	1,690	1,128	15	116	(NA)	(NA)	(NA)	252	44	4,129	30
3,483	955	3,340	4,433	41	10	1,634	325	(NA)	(NA)	(NA)	7,318	31
2,358	757	[8]2,005	131	238	165	125	607				80	32
4,569	1,357	[8]3,775	193	394	439	3,360	258	1,372	2,795	30	223	33
204	37	95	7	34	8	(NA)	(NA)	3	15	...	6	34
3,038	484	1,289	379	51	146	700	xxx	74	705	69	105	35
2,214	113	1,088	354	11	213	402	xxx	19	306	56	96	36
320	48	124	113	4	(NA)	(NA)	xxx	53			(NA)	37
5,264	(NA)	[5]4,304	[5]166	[5]118	[5]73	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	38
1,481	324	975	166	118	73	578	28	69	682	41	74	39
5,572	(NA)	[5] [8]3,864	[5]171	[5]140	[5]72	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	40
1,567	285	[8]924	171	140	72	2,395	13	48	402	1,960	85	41
1,640	217	624	37	146	6	(NA)	(NA)	27	254	22	29	42
2,628	307	795	137	285	7	578	127	(NA)	(NA)	(NA)	172	43
1,709	298	995	336	206	304	577	315	218	434	204	115	44
1,255	87	564	151	132	347	474	255	188	321	96	58	45
118	20	25	10	16	...	(NA)	(NA)	1	6	2	6	46
195	58	65	18	18	...	6	14	(NA)	(NA)	(NA)	20	47

Table 4.—Selected Statistics for Mineral Operations in the United States, by

(For explanation of column captions and for statement on the minimum size of establishments

	Major industry group, industry, and year	Number of operating companies	Establishments, number			Value of net shipments and receipts[2] ($1,000)	Value added in mining ($1,000)	Number of persons engaged				Man-hours worked by production and development workers (1,000)
			Total	Including mining operations[1]	Including preparation plants			Production and development workers	Other employees[3]	Proprietors and firm members[4]		
										Total	Performing manual labor	
	Nonmetallic minerals mining--Continued											
	Native asphalt and bitumens:											
1	1958	8	10	10	9	8,041	5,954	367	97	4	...	732
2	1954	9	12	12	8	6,424	4,857	451	100	12	3	987
3	1939	23	(NA)	23	15	2,968	2,554	730	123	7	1	1,330
4	1929	(NA)	21	25	(NA)	5,124	4,345	1,123	183	1	(NA)	(NA)
	Pumice and pumicite:											
5	1958	63	64	64	28	5,002	4,058	271	45	34	12	409
6	1954	73	75	75	47	[7]3,393	2,741	223	44	59	35	440
7	1939	15	17	17	14	387	301	122	5	12	5	197
	Talc, soapstone, and pyrophyllite:											
8	1958	43	64	64	23	[7]14,908	11,755	1,123	171	34	17	2,289
9	1954	54	68	75	39	11,563	9,486	1,297	174	30	14	2,778
10	1939	29	(NA)	38	26	3,269	2,441	970	167	17	10	2,068
11	1929	(NA)	25	28	(NA)	2,688	2,012	550	82	...	...	(NA)
	Natural abrasives, except sand:											
12	1958	20	20	20	16	3,373	2,648	204	25	16	8	408
13	1954	22	22	22	14	3,490	2,874	197	21	16	4	403
14	1939	27	(NA)	36	25	1,335	1,115	383	60	12	3	798
	Peat:											
15	1958	80	81	81	60	4,370	3,640	335	54	59	47	613
16	1954	86	88	87	68	2,326	1,800	321	32	69	42	637
17	1939	23	(NA)	25	23	378	338	157	27	11	4	246
	Nonmetallic minerals, nec:											
18	1958	47	55	55	39	[7]31,611	23,368	1,344	447	21	8	3,018
19	1954	63	70	75	57	24,595	17,437	1,374	394	33	14	2,703
20	1939	38	(NA)	37	30	3,041	2,153	630	104	16	5	1,395

NA Not available.

[1]For 1954 and earlier years, except for the Crude Petroleum and Natural Gas Industry, represents number of mines. In addition, for 1954, about 1,400 oil and gas field service establishment reports included oil or gas mining operations as a secondary activity. The comparable figure for 1939 is not available.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same manufacturing establishment in making manufactured products.

[3]For 1958 and 1954, excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[4]For 1958, excludes data for all mining operations in manufacturing establishments. For 1954, see footnote 3.

[5]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments in 1958 and 1954, the cost of purchased fuels, purchased electricity, and contract work is included with the cost of supplies.

Major Industry Group and Industry: 1958, 1954, 1939, and 1929—Continued

included for each year, see Introduction. For 1929, excludes data for service industries)

Principal expenses designated below ($1,000)							Capital expenditures ($1,000)					
Wages and salaries		Supplies and purchases for resale[5]	Purchased fuels[5]	Purchased electricity[5]	Contract work[5]	Purchased machinery installed[3] ($1,000)	Development and exploration of mineral property[4]	Preparation plant and other construction[3]	New machinery and equipment[3]	Used plant and equipment[3]	Energy used[3] (million kwh equivalent)	
Production and development workers	Other employees[3]											
1,398	867	1,538	79	270	406	517	175	19	510	19	50	1
1,443	704	1,251	137	85	170	476	114	24	402	12	66	2
608	284	317	68	28	1	(NA)	(NA)	26	72	17	125	3
1,255	586	518	138	39	84	182	39	(NA)	(NA)	182	285	4
907	196	760	270	68	159	267	54	212	205	109	111	5
748	214	[8]334	119	40	276	298	32	98	99	186	56	6
119	7	45	30	11	...	(NA)	(NA)	4	9	4	19	7
4,157	1,163	[8]2,428	291	547	276	509	128	169	482	119	153	8
4,141	799	1,671	238	467	412	486	300	453	407	37	133	9
807	382	619	45	162	2	(NA)	(NA)	62	65	38	53	10
615	217	531	29	99	17	35	57	(NA)	(NA)	(NA)	59	11
801	206	513	181	22	70	88	1	42	106	...	73	12
698	187	504	161	33	139	73	10	240	74	8	75	13
346	133	149	50	21	...	(NA)	(NA)	30	51	7	109	14
974	308	762	174	34	134	446	137	111	455	108	79	15
829	111	321	174	31	46	159	34	43	104	24	87	16
101	43	21	15	4	...	(NA)	(NA)	8	10	8	7	17
5,950	2,660	[8]6,264	1,239	915	1,144	2,869	198	982	2,729	279	716	18
5,258	2,062	4,649	967	722	1,336	1,441	109	820	1,001	27	620	19
636	209	593	159	128	8	(NA)	(NA)	(NA)	64	4	197	20

[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]Represents gross value of shipments and receipts
[8]Includes the cost of minerals received for preparation.
[9]Excludes data for common clay and shale operations.
[10]Represents combined figures for the Fire Clay Industry, the Kaolin and Ball Clay Industry, and the Clay and Related Minerals, NEC, Industry.
[11]Except for number of establishments, excludes data for 2 lithium minerals mines.

Table 5.–General Statistics for Mineral Operations, by Divisions,

(For explanation of column captions see Introduction. For more detailed historical statistics

	Division, State, and year	Establishments, number		All employees		Production and development workers		
		Total[3]	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)
	UNITED STATES							
	Mineral industries only:							
1	1958	36,218	6,029	732,632	3,740,288	564,281	1,077,864	2,616,273
2	1954	37,446	6,194	785,708	3,385,722	647,141	1,248,898	2,572,297
	Including operations in manufactures:							
3	1958	37,784	6,279	753,537	3,826,692	584,012	1,116,774	2,695,588
4	1954[7]	38,663	6,456	805,968	3,456,979	666,621	1,288,461	2,639,378
5	1939[8]	25,023	(NA)	856,389	1,174,771	774,130	1,287,852	970,546
	DIVISIONS AND STATES							
	New England:							
	Mineral industries only:							
6	1958	344	39	3,616	17,477	2,745	5,744	11,760
7	1954	385	40	4,069	15,683	3,456	7,581	12,434
	Including operations in manufactures:							
8	1958	443	58	6,521	29,670	5,230	10,852	21,527
9	1954[7]	456	56	r5,988	23,142	r5,232	11,149	18,950
10	1939[8]	332	(NA)	4,944	6,603	4,272	8,659	4,863
	Maine:							
11	1958	68	7	580	2,000	530	1,079	1,804
12	1954[7]	77	10	699	2,268	653	1,330	2,060
13	1939[8]	34	(NA)	420	448	379	659	376
	New Hampshire:							
14	1958	45	4	328	1,534	282	579	1,166
15	1954[7]	44	4	319	1,108	285	574	918
16	1939[8]	25	(NA)	307	353	266	535	266
	Vermont:							
17	1958	67	16	2,571	10,019	2,157	4,445	7,935
18	1954[7]	62	16	2,050	7,445	1,881	4,009	6,524
19	1939[8]	77	(NA)	1,695	2,016	1,574	3,148	1,719
	Massachusetts:							
20	1958	144	15	1,903	10,281	1,357	2,826	6,348
21	1954[7]	148	16	r1,924	8,074	r1,626	3,382	6,291
22	1939[8]	112	(NA)	1,568	2,528	1,206	2,512	1,486
	Rhode Island:							
23	1958	22	4	212	897	174	322	704
24	1954[7]	21	3	163	565	140	274	461
25	1939[8]	21	(NA)	248	323	212	435	262
	Connecticut:							
26	1958	97	12	927	4,939	730	1,601	3,570
27	1954[7]	104	7	833	3,682	647	1,580	2,696
28	1939[8]	63	(NA)	706	935	635	1,370	754
	Middle Atlantic:							
	Mineral industries only:							
29	1958	4,500	636	87,398	418,758	72,795	124,374	324,407
30	1954	5,320	782	120,795	483,943	105,017	177,172	392,232
	Including operations in manufactures:							
31	1958	4,750	683	90,387	431,426	75,702	130,121	336,614
32	1954[7]	5,541	842	124,321	497,033	108,461	184,141	404,916
33	1939[8]	3,953	(NA)	219,481	297,502	203,871	317,732	259,280
	New York:							
34	1958	622	82	10,460	60,533	7,177	15,142	37,400
35	1954[7]	694	80	12,364	66,310	8,469	18,612	38,544
36	1939[8]	518	(NA)	8,737	15,430	7,044	14,682	9,696
	New Jersey:							
37	1958	150	44	3,859	19,955	2,923	5,814	13,836
38	1954[7]	166	41	4,190	18,769	3,543	7,948	15,172
39	1939[8]	137	(NA)	3,978	5,926	3,369	6,451	4,314
	Pennsylvania:							
40	1958	3,978	557	76,068	350,938	65,602	109,165	285,378
41	1954[7]	4,681	721	107,767	411,954	96,449	157,581	351,200
42	1939[8]	3,298	(NA)	206,766	276,146	193,458	296,599	245,270

See footnotes at end of table.

States, Alaska, and Hawaii: 1958, 1954, and 1939

by State, see the General Summary Report of the 1954 Census of Mineral Industries, Vol. I.)

Value added in mining ($1,000)	Selected expenses ($1,000)				Value of shipments and receipts[1] ($1,000)	Capital expenditures[2] ($1,000)	Energy used[2] (kwh equivalent)		
	Supplies, purchases for resale, and purchased fuels and electricity[4]	Minerals received for preparation	Contract work[4]	Purchased machinery installed[2]			Total (million)	Per production worker (1,000)	
13,381,494	2,879,669	1,756,454	1,854,770	1,015,257	18,089,834	2,797,810	404,935	718	1
[5]11,546,418	2,345,883	[5 6]708,809	1,826,738	1,213,108	[5]14,906,583	2,723,756	372,524	576	2
13,680,973	2,938,586	1,758,380	1,855,630	1,017,571	18,450,826	2,800,314	405,414	693	3
[5]11,740,054	2,390,951	[5 6]710,321	1,827,372	1,214,881	[5]15,147,297	2,725,665	373,126	560	4
2,765,396	438,190	(NA)	210,368	(NA)	3,413,954	(NA)	224,898	291	5
32,301	11,496	122	1,392	2,693	44,034	3,970	711	259	6
32,104	8,808	135	1,166	3,404	41,325	4,292	541	157	7
53,958	16,416	550	1,603	3,374	71,232	4,669	874	167	8
46,785	11,861	454	1,361	3,715	59,559	4,617	638	122	9
14,415	3,362	(NA)	37	(NA)	17,814	(NA)	404	95	10
4,382	[9]1,419	([9])	82	280	5,703	460	90	170	11
4,304	848	121	91	327	5,242	449	46	70	12
1,134	143	(NA)	2	(NA)	1,279	(NA)	16	42	13
2,751	[11]823	112	[11]195	[15]174	3,858	[15]224	[15]34	121	14
1,913	565	51	66	188	2,510	273	29	102	15
777	126	(NA)	...	(NA)	903	(NA)	18	68	16
15,766	[9]5,454	([9])	335	861	21,172	1,244	291	135	17
15,512	4,367	44	589	744	20,415	841	209	111	18
(NA)	1,207	(NA)	6	(NA)	6,243	(NA)	93	59	19
18,656	5,024	...	417	988	23,831	1,254	264	195	20
14,719	3,684	201	292	1,696	18,866	1,726	185	115	21
4,610	983	(NA)	6	(NA)	5,599	(NA)	157	130	22
1,863	[11]498	([11])	[11]56	[15]161	2,382	[15]222	[15]29	167	23
1,109	372	...	21	166	1,447	221	26	186	24
623	203	(NA)	2	(NA)	828	(NA)	25	118	25
10,540	3,737	10	407	766	14,286	1,174	162	222	26
9,228	2,025	37	302	594	11,079	1,107	143	221	27
2,241	700	(NA)	21	(NA)	2,962	(NA)	95	150	28
733,341	208,131	164,191	81,853	65,188	1,160,015	92,689	14,926	205	29
[5]767,134	189,381	[5 6]177,420	102,288	68,629	1,229,313	75,539	19,300	184	30
779,189	216,227	164,236	81,874	[10]65,407	1,213,971	[10]92,962	14,958	198	31
[r5]800,722	198,416	[5 6]177,431	102,367	68,717	[r5]1,271,938	75,691	19,360	178	32
428,317	83,386	(NA)	17,539	(NA)	529,242	(NA)	30,072	148	33
129,591	31,925	4,979	4,038	6,058	163,658	12,933	2,772	386	34
104,719	28,672	340	5,028	12,234	138,508	12,485	3,268	386	35
32,817	6,982	(NA)	1,431	(NA)	41,230	(NA)	1,700	241	36
40,663	11,974	80	830	[10]2,311	51,961	[10]3,897	655	224	37
[5]38,941	11,301	[5]482	1,283	3,477	[5]51,455	4,029	699	197	38
11,103	2,926	(NA)	95	(NA)	14,124	(NA)	652	194	39
608,935	172,328	159,177	77,006	57,038	998,352	76,132	11,531	176	40
[r]657,038	158,443	[6]176,609	96,056	53,006	[r]1,081,975	59,177	15,393	143	41
384,397	73,478	(NA)	16,013	(NA)	473,888	(NA)	27,720	134	42

Table 5.–General Statistics for Mineral Operations, by Divisions,

	Division, State, and year	Establishments, number		All employees		Production and development workers		
		Total[3]	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)
	DIVISIONS AND STATES—Continued							
	East North Central:							
	Mineral industries only:							
1	1958	4,313	659	74,732	385,398	60,937	114,357	292,921
2	1954	4,636	r691	81,411	349,426	69,142	131,846	280,043
	Including operations in manufactures:							
3	1958	4,662	712	78,967	404,040	64,974	122,056	310,336
4	1954[7]	4,912	r743	86,251	367,576	73,815	141,163	297,258
5	1939[8]	3,989	(NA)	107,980	142,184	98,084	161,491	119,026
	Ohio:							
6	1958	1,599	210	22,268	114,990	17,359	32,686	79,924
7	1954[7]	1,793	220	23,742	98,839	19,510	37,247	74,881
8	1939[8]	1,407	(NA)	27,343	33,852	24,948	41,312	28,749
	Indiana:							
9	1958	781	109	10,418	50,579	8,591	15,783	38,547
10	1954[7]	815	113	11,039	45,112	9,576	17,863	36,443
11	1939[8]	576	(NA)	12,396	15,854	11,398	18,542	13,671
	Illinois:							
12	1958	1,375	258	27,482	144,359	23,218	43,891	114,715
13	1954[7]	1,384	r269	30,494	128,189	26,964	49,370	108,516
14	1939[8]	1,233	(NA)	48,887	65,418	44,422	68,509	54,325
	Michigan:							
15	1958	574	91	14,672	74,712	12,210	22,699	60,782
16	1954[7]	591	98	16,693	77,342	13,991	28,762	62,160
17	1939[8]	620	(NA)	17,032	23,943	15,223	28,951	19,677
	Wisconsin:							
18	1958	333	44	4,127	19,400	3,596	6,997	16,368
19	1954[7]	329	43	4,283	18,094	3,774	7,921	15,258
20	1939[8]	153	(NA)	2,322	3,117	2,093	4,177	2,604
	West North Central:							
	Mineral industries only:							
21	1958	3,221	452	50,928	253,055	38,591	76,427	174,836
22	1954	3,320	470	51,567	213,366	43,170	86,965	167,642
	Including operations in manufactures:							
23	1958	3,384	484	53,600	264,617	41,081	81,570	184,952
24	1954[7]	3,435	499	54,163	223,255	45,589	92,437	176,690
25	1939[8]	2,242	(NA)	44,826	59,270	39,593	70,332	46,611
	Minnesota:							
26	1958	317	96	18,164	101,547	12,600	24,207	63,039
27	1954[7]	300	88	17,756	78,444	14,499	27,923	58,942
28	1939[8]	178	(NA)	8,145	13,385	6,866	13,215	9,987
	Iowa:							
29	1958	335	44	3,146	13,620	2,689	5,884	10,863
30	1954[7]	364	34	2,974	10,505	2,677	6,049	9,295
31	1939[8]	383	(NA)	5,928	6,059	5,589	8,595	5,489
	Missouri:							
32	1958	469	80	9,331	41,659	7,145	13,826	29,553
33	1954[7]	485	83	8,854	34,490	7,548	15,419	27,621
34	1939[8]	491	(NA)	10,861	12,666	9,320	16,529	8,968
	North Dakota:							
35	1958	172	25	1,967	10,737	1,564	3,477	8,056
36	1954[7]	147	26	1,798	8,619	1,399	2,956	6,319
37	1939[8]	108	(NA)	960	1,042	874	1,724	871
	South Dakota:							
38	1958	142	16	2,742	13,322	2,378	4,951	11,258
39	1954[7]	191	25	3,001	12,254	2,606	5,872	10,321
40	1939[8]	59	(NA)	2,922	5,542	2,647	5,988	4,690
	Nebraska:							
41	1958	317	29	2,181	9,571	1,818	3,629	7,624
42	1954[7]	259	22	1,734	6,960	1,531	3,450	6,062
43	1939[8]	67	(NA)	531	451	470	1,041	365

See footnotes at end of table.

States, Alaska, and Hawaii: 1958, 1954, and 1939—Continued

Value added in mining ($1,000)	Selected expenses ($1,000): Supplies, purchases for resale, and purchased fuels and electricity[4]	Selected expenses ($1,000): Minerals received for preparation	Selected expenses ($1,000): Contract work[4]	Purchased machinery installed[2]	Value of shipments and receipts[1] ($1,000)	Capital expenditures[2] ($1,000)	Energy used[2] (kwh equivalent): Total (million)	Energy used[2] (kwh equivalent): Per production worker ($1,000)	
936,363	245,385	130,043	66,048	73,860	1,324,808	126,891	18,184	298	1
813,435	198,264	[6]60,623	81,106	99,520	1,094,500	158,448	16,318	236	2
994,314	256,869	130,069	66,267	[10]74,453	1,394,462	[10]127,510	18,317	282	3
r853,641	207,177	[6]60,659	81,202	100,208	r1,143,779	159,108	16,597	225	4
316,939	56,604	(NA)	28,744	(NA)	402,287	(NA)	18,071	184	5
213,647	67,452	29,599	12,844	19,228	313,654	29,116	2,927	169	6
r184,997	48,003	[6]10,735	11,249	19,844	r250,045	24,783	2,790	143	7
51,914	10,843	(NA)	1,473	(NA)	64,230	(NA)	2,715	109	8
117,928	30,468	2,372	6,220	12,922	154,118	15,792	1,724	201	9
98,331	25,502	18,429	6,589	13,270	145,816	16,305	1,506	157	10
28,094	7,955	(NA)	1,338	(NA)	37,387	(NA)	1,888	166	11
462,230	100,060	81,294	28,071	31,155	649,841	52,969	8,648	372	12
378,595	77,986	[6]23,804	41,728	38,327	496,815	63,625	7,909	293	13
165,538	23,710	(NA)	22,406	(NA)	211,654	(NA)	8,705	196	14
165,464	45,504	15,783	17,070	[10]8,450	227,286	[10]24,985	4,304	352	15
153,036	42,609	[6]6,922	20,116	23,520	199,440	46,763	3,669	262	16
64,933	12,162	(NA)	3,509	(NA)	80,604	(NA)	4,525	297	17
35,045	13,385	1,021	2,062	2,698	49,563	4,648	714	199	18
38,682	13,077	769	1,520	5,247	51,663	7,632	723	192	19
6,460	1,934	(NA)	18	(NA)	8,412	(NA)	238	114	20
918,673	225,172	93,109	106,445	69,131	1,267,166	145,078	23,645	613	21
[5]785,763	174,159	[6]10,280	130,828	104,617	[5]1,006,491	199,102	18,610	431	22
956,496	[11]235,115	[11]95,109	106,445	[10]69,326	1,315,218	[10]145,273	23,715	577	23
[5]813,247	182,462	[6]11,252	131,039	104,929	[5]1,043,418	199,457	18,697	410	24
213,735	26,298	(NA)	12,936	(NA)	252,969	(NA)	7,324	185	25
319,677	78,944	29,743	10,993	7,583	431,635	15,305	7,878	625	26
293,990	58,948	5,138	30,771	25,800	350,424	64,223	2,713	187	27
91,572	7,258	(NA)	106	(NA)	98,936	(NA)	1,715	250	28
41,102	12,936	368	2,113	[15]4,467	54,633	[15]6,353	941	350	29
27,316	10,395	14	1,526	3,731	39,177	3,805	682	255	30
8,963	1,827	(NA)	54	(NA)	10,844	(NA)	201	36	31
78,292	[9]26,314	([9])	3,260	8,881	103,286	13,461	1,312	184	32
[5]68,571	18,676	[5]2,459	2,869	6,160	[5]92,869	5,888	1,260	167	33
21,036	6,077	(NA)	259	(NA)	27,372	(NA)	786	84	34
40,410	[9]20,247	([9])	21,411	9,579	65,732	25,915	805	515	35
[5]7,151	[5 6 9]9,542	([9])	20,305	14,008	[5]28,694	22,312	745	533	36
2,027	471	(NA)	5	(NA)	2,503	(NA)	180	206	37
26,256	[9]10,505	([9])	782	1,583	36,544	2,582	489	206	38
[5]23,333	7,780	[5]592	2,273	2,114	[5]32,454	3,562	766	294	39
20,689	2,172	(NA)	21	(NA)	22,882	(NA)	557	210	40
65,871	[9]14,852	([9])	11,521	[15]5,322	83,253	[15]14,313	1,457	801	41
30,082	[6 9]7,651	([9])	8,659	8,395	38,400	16,387	692	452	42
930	348	(NA)	73	(NA)	1,351	(NA)	56	119	43

Table 5.–General Statistics for Mineral Operations, by Divisions,

	Division, State, and year	Establishments, number		All employees		Production and development workers		
		Total[3]	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours	Wages ($1,000)
	DIVISIONS AND STATES—Continued							
	West North Central—Continued							
	Kansas:							
1	1958	1,632	194	16,069	74,161	12,887	25,596	54,559
2	1954[7]	1,689	221	18,046	71,983	15,329	30,768	58,130
3	1939[8]	956	(NA)	15,479	20,125	13,827	23,240	16,241
	South Atlantic:							
	Mineral industries only:							
4	1958	4,701	899	106,066	478,296	92,417	161,799	399,482
5	1954	4,227	808	108,999	421,261	98,602	176,135	366,985
	Including operations in manufactures:							
6	1958	4,875	930	108,816	487,949	95,002	166,763	408,309
7	1954[7]	4,380	843	111,848	429,574	101,328	181,592	374,640
8	1939[8]	2,141	(NA)	141,898	173,211	134,746	211,365	157,882
	Delaware, Maryland, and District of Columbia:							
9	1958	208	31	2,542	10,632	2,195	4,191	8,386
10	1954[7]	216	32	2,171	7,599	1,944	4,374	6,604
11	1939[8]	180	(NA)	3,850	3,937	3,599	6,090	3,417
	Virginia:							
12	1958	1,066	204	18,600	70,371	16,240	27,460	59,154
13	1954[7]	788	164	16,864	55,064	15,123	26,508	47,156
14	1939[8]	257	(NA)	20,061	20,942	19,010	28,998	18,888
	West Virginia:							
15	1958	2,826	474	68,715	334,601	60,272	101,060	283,397
16	1954[7]	2,339	467	75,073	308,745	68,698	115,644	274,014
17	1939[8]	1,351	(NA)	107,260	139,827	102,302	156,344	128,978
	North Carolina:							
18	1958	267	57	4,265	13,929	3,844	7,764	11,711
19	1954[7]	546	46	4,047	11,642	3,784	8,337	10,303
20	1939[8]	111	(NA)	1,965	1,443	1,787	3,720	1,123
	South Carolina:							
21	1958	86	22	1,591	5,546	1,350	2,768	4,303
22	1954[7]	72	19	1,518	4,356	1,372	3,102	3,591
23	1939[8]	46	(NA)	1,388	1,064	1,291	2,756	782
	Georgia:							
24	1958	202	70	6,182	22,737	5,393	11,378	18,273
25	1954[7]	220	58	5,286	15,742	4,782	10,490	13,016
26	1939[8]	110	(NA)	3,906	2,808	3,674	7,440	2,279
	Florida:							
27	1958	220	72	6,921	30,133	5,708	12,142	23,085
28	1954[7]	199	57	6,889	26,426	5,625	13,137	19,956
29	1939[8]	86	(NA)	3,468	3,190	3,083	6,017	2,415
	East South Central:							
	Mineral industries only:							
30	1958	3,215	575	62,083	263,721	54,294	93,251	220,315
31	1954	3,073	581	66,628	240,006	60,615	104,304	206,919
	Including operations in manufactures:							
32	1958	3,311	595	63,755	269,247	55,890	96,375	225,400
33	1954[7]	3,159	599	68,079	244,415	61,988	107,058	210,951
34	1939[8]	1,423	(NA)	93,949	96,023	89,522	134,469	86,990
	Kentucky:							
35	1958	2,123	334	36,134	149,586	32,135	53,187	129,153
36	1954[7]	1,828	337	38,917	139,370	35,842	59,702	124,206
37	1939[8]	743	(NA)	53,839	56,971	51,452	73,891	52,338
	Tennessee:							
38	1958	562	106	9,692	35,585	8,411	15,571	29,411
39	1954[7]	692	112	10,181	32,037	9,416	17,412	28,044
40	1939[8]	266	(NA)	12,462	11,945	11,723	19,578	10,459
	Alabama:							
41	1958	357	91	12,583	57,389	11,174	18,745	47,742
42	1954[7]	413	98	15,136	57,317	13,602	23,526	46,947
43	1939[8]	341	(NA)	26,953	26,449	25,758	39,827	23,764

See footnotes at end of table.

States, Alaska, and Hawaii. 1958, 1954, and 1939—Continued

Value added in mining ($1,000)	Selected expenses ($1,000): Supplies, purchases for resale, and purchased fuels and electricity[4]	Selected expenses ($1,000): Minerals received for preparation	Selected expenses ($1,000): Contract work[4]	Selected expenses ($1,000): Purchased machinery installed[2]	Value of shipments and receipts[1] ($1,000)	Capital expenditures[2] ($1,000)	Energy used[2] (kwh equivalent): Total (million)	Energy used[2] (kwh equivalent): Per production worker ($1,000)	
384,888	78,525	56,074	56,081	31,911	540,135	67,344	10,833	841	1
362,804	69,605	[6]2,914	64,636	44,721	461,400	83,280	11,839	772	2
68,518	8,145	(NA)	12,418	(NA)	89,081	(NA)	3,829	277	3
939,989	[12]281,858	[12]194,560	43,227	93,637	1,411,426	141,845	14,697	159	4
[5]761,393	238,995	[5] [6]102,110	39,317	75,363	[5]1,118,407	98,768	12,887	131	5
969,764	[12]287,827	[12]194,842	43,251	[10]93,996	1,447,446	[10]142,234	14,740	155	6
[5]782,793	243,903	[5] [6]102,145	39,332	75,549	[5]1,144,729	98,990	12,928	128	7
243,276	49,004	(NA)	2,741	(NA)	295,021	(NA)	8,876	66	8
27,510	9,827	2,504	1,953	3,328	41,261	3,861	347	158	9
20,572	5,554	...	736	2,195	27,145	1,912	410	211	10
7,243	1,405	(NA)	59	(NA)	8,707	(NA)	388	108	11
142,571	42,170	29,209	12,076	17,777	207,408	36,395	1,638	101	12
96,014	37,963	10,003	4,502	7,449	145,592	10,339	1,399	93	13
28,642	5,939	(NA)	44	(NA)	34,625	(NA)	701	37	14
607,943	[3]163,456	122,885	22,946	51,493	892,384	76,339	6,922	115	15
515,807	150,663	[6]58,982	26,772	46,161	739,381	59,004	5,885	86	16
187,547	34,319	(NA)	2,400	(NA)	224,266	(NA)	5,662	55	17
31,757	12,554	543	611	3,067	44,557	3,975	737	192	18
[5]33,143	8,962	[5]218	890	3,066	[5]42,811	3,466	513	136	19
3,448	1,082	(NA)	7	(NA)	4,537	(NA)	176	98	20
14,499	[9]6,052	([9])	160	1,480	20,341	1,850	282	209	21
11,229	3,431	4	168	1,298	14,184	1,946	288	210	22
2,389	1,010	(NA)	58	(NA)	3,457	(NA)	133	103	23
58,048	[11]23,322	[11]879	1,151	7,278	82,545	8,133	1,905	353	24
37,326	12,160	647	1,311	4,309	49,066	6,687	1,339	280	25
5,864	2,204	(NA)	130	(NA)	8,198	(NA)	770	210	26
87,436	[11]30,556	[11]38,712	4,354	[10]9,573	158,950	[10]11,681	2,909	510	27
[5]68,702	25,170	[5]32,291	4,953	11,071	[5]126,550	15,636	3,094	550	28
8,143	3,045	(NA)	43	(NA)	11,231	(NA)	1,046	339	29
651,249	181,075	130,558	64,692	55,421	983,325	99,670	12,104	223	30
[5]519,642	130,228	[5] [6]39,311	41,495	44,401	[5]706,066	69,011	9,853	163	31
671,834	184,937	130,748	64,695	55,564	1,007,944	99,834	12,128	217	32
[5]531,679	133,168	[5] [6]39,502	41,500	44,491	[5]721,230	69,112	9,867	159	33
130,531	25,930	(NA)	2,020	(NA)	158,481	(NA)	5,742	64	34
321,348	88,650	75,908	24,617	28,063	493,635	44,951	4,143	129	35
270,714	67,651	[6]24,775	14,905	18,756	366,082	30,719	3,514	98	36
77,169	13,553	(NA)	1,084	(NA)	91,806	(NA)	2,322	45	37
76,001	[9]39,212	([9])	3,234	5,985	115,754	8,678	1,955	232	38
65,241	19,594	1,236	3,741	5,543	88,267	7,088	1,122	119	39
18,435	4,160	(NA)	89	(NA)	22,684	(NA)	1,421	121	40
138,254	[9]66,007	([9])	8,452	10,381	209,396	13,698	1,499	134	41
[5]100,869	27,562	[5]13,023	3,768	8,920	[5]145,888	8,256	1,261	93	42
33,849	7,702	(NA)	301	(NA)	41,852	(NA)	1,815	70	43

Table 5.–General Statistics for Mineral Operations, by Divisions,

	Division, State, and year	Establishments, number		All employees		Production and development workers		
		Total[3]	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours	Wages ($1,000)
	DIVISIONS AND STATES—Continued							
	East South Central—Continued							
	Mississippi:							
1	1958	269	64	5,346	26,687	4,170	8,872	19,094
2	1954[7]	226	52	3,845	15,691	3,128	6,418	11,754
3	1939[8]	73	(NA)	695	658	589	1,173	429
	West South Central:							
	Mineral industries only:							
4	1958	10,062	1,896	225,804	1,231,180	151,708	320,248	719,783
5	1954	9,179	1,906	223,679	1,044,616	165,208	358,039	688,469
	Including operations in manufactures:							
6	1958	10,216	1,918	227,261	1,236,506	153,129	323,006	724,927
7	1954[7]	9,306	1,938	225,433	1,049,222	166,957	361,436	693,048
8	1939[8]	6,252	(NA)	122,938	203,232	98,687	176,345	137,938
	Arkansas:							
9	1958	463	66	5,635	24,587	4,399	8,525	17,503
10	1954[7]	423	72	6,131	22,977	5,206	10,425	17,995
11	1939[8]	307	(NA)	7,477	8,734	6,926	10,737	7,446
	Louisiana:							
12	1958	1,132	344	46,161	265,027	33,293	75,470	174,668
13	1954[7]	911	286	37,209	179,489	29,575	65,982	132,855
14	1939[8]	573	(NA)	14,475	24,375	12,244	22,496	18,351
	Oklahoma:							
15	1958	2,668	347	38,458	196,064	24,876	48,044	105,403
16	1954[7]	2,627	399	41,100	177,623	30,534	61,532	115,830
17	1939[8]	1,687	(NA)	33,312	52,548	26,188	46,857	33,892
	Texas:							
18	1958	5,955	1,161	137,007	750,828	90,561	190,957	427,353
19	1954[7]	5,345	1,181	140,993	669,133	101,642	223,497	426,368
20	1939[8]	3,685	(NA)	67,674	117,575	53,329	96,255	78,249
	Mountain:							
	Mineral industries only:							
21	1958	3,803	566	84,958	463,478	64,732	128,802	329,888
22	1954	4,551	556	84,662	393,746	68,713	140,458	301,851
	Including operations in manufactures:							
23	1958	3,916	574	85,806	467,344	65,575	130,461	333,739
24	1954[7]	4,612	561	85,066	395,178	69,114	141,253	303,275
25	1939[8]	2,351	(NA)	74,096	111,751	66,711	129,846	93,717
	Montana:							
26	1958	453	39	8,490	44,295	5,866	11,073	28,038
27	1954[7]	583	56	11,605	51,764	8,936	17,478	36,979
28	1939[8]	499	(NA)	11,599	17,722	10,291	19,862	14,701
	Idaho:							
29	1958	183	22	3,979	21,085	3,352	6,436	16,565
30	1954[7]	257	28	4,781	22,405	4,135	8,651	18,711
31	1939[8]	116	(NA)	5,049	8,146	4,654	9,753	7,086
	Wyoming:							
32	1958	504	87	8,644	49,097	6,036	12,056	31,092
33	1954[7]	487	101	9,745	45,847	7,491	14,641	32,508
34	1939[8]	188	(NA)	6,848	10,442	6,204	10,189	8,765
	Colorado:							
35	1958	992	132	14,273	76,923	10,014	19,340	48,166
36	1954[7]	1,043	118	13,690	59,999	10,977	21,317	44,381
37	1939[8]	589	(NA)	14,800	19,823	13,469	23,356	16,845
	New Mexico:							
38	1958	770	142	17,552	97,493	13,609	28,197	70,355
39	1954[7]	693	119	13,934	65,784	11,545	23,599	51,274
40	1939[8]	286	(NA)	8,921	12,720	8,065	14,817	10,605
	Arizona:							
41	1958	338	43	15,609	81,473	12,462	25,189	63,257
42	1954[7]	533	37	13,290	66,776	11,073	25,286	54,081
43	1939[8]	179	(NA)	10,389	17,066	9,400	22,059	14,561

See footnotes at end of table.

States, Alaska, and Hawaii: 1958, 1954, and 1939—Continued

Value added in mining ($1,000)	Selected expenses ($1,000): Supplies, purchases for resale, and purchased fuels and electricity[4]	Selected expenses ($1,000): Minerals received for preparation	Selected expenses ($1,000): Contract work	Selected expenses ($1,000): Purchased machinery installed[2]	Value of shipments and receipts[1] ($1,000)	Capital expenditures[2] ($1,000)	Energy used[2] (kwh equivalent): Total (million)	Energy used[2] (kwh equivalent): Per production worker (1,000)	
136,231	30,502	15,406	28,392	11,135	189,159	32,507	4,531	1,087	1
94,855	[6] [9]18,829	([9])	19,086	11,272	120,993	23,049	3,970	1,269	2
1,078	515	(NA)	546	(NA)	2,139	(NA)	184	312	3
6,158,639	1,127,398	634,542	1,067,056	464,945	[5]7,917,123	1,535,457	237,107	1,563	4
[5]5,209,789	[5]918,790	[5] [6]149,323	1,029,501	615,825	[5]6,397,677	1,525,548	217,257	1,315	5
6,186,121	1,132,277	[5] [8]634,662	1,067,092	464,959	7,949,606	1,535,505	237,112	1,548	6
r[5]5,226,592	922,642	[5] [8]149,323	1,029,511	615,875	r[5]6,418,352	1,525,579	217,268	1,301	7
809,276	83,045	(NA)	122,948	(NA)	1,015,269	(NA)	106,337	1,078	8
114,459	[13]20,530	[13]3,456	11,094	7,816	141,084	16,271	3,752	853	9
[5]110,107	[5] [6]20,386	[5] [6]2,085	12,855	7,139	[5]138,879	13,690	3,793	729	10
22,150	4,040	(NA)	5,158	(NA)	31,348	(NA)	3,306	477	11
1,528,053	338,885	112,644	349,184	144,851	1,903,526	570,091	47,946	1,440	12
984,976	[6] [9]231,042	([9])	260,574	[6]150,157	1,195,573	431,176	43,447	1,469	13
92,879	14,288	(NA)	26,661	(NA)	133,828	(NA)	16,448	1,343	14
676,924	[13]135,613	[13]50,538	126,847	60,422	[5]864,106	186,238	31,638	1,272	15
[5]586,626	123,700	[5] [6]17,576	155,980	94,720	[5]758,124	220,478	31,302	1,025	16
173,015	21,909	(NA)	13,789	(NA)	208,713	(NA)	23,132	883	17
3,866,685	[12]639,483	[12]465,790	579,967	251,870	5,040,890	762,905	153,779	1,698	18
r[3]3,544,874	[6] [9]677,176	([9])	600,102	363,859	r[4]325,776	860,235	138,726	1,365	19
521,232	42,808	(NA)	77,340	(NA)	641,380	(NA)	63,451	1,190	20
1,745,655	[14]436,182	[14]288,677	315,021	142,625	2,447,655	480,505	46,449	718	21
[5]1,305,418	312,916	[5] [6]140,363	256,342	128,584	[5]1,768,451	364,677	38,360	558	22
1,770,199	[14]439,627	[14]288,677	315,027	142,670	2,475,644	480,556	46,451	708	23
[5]1,313,850	314,283	[5] [6]140,363	256,353	128,606	[5]1,778,236	364,679	38,361	555	24
283,834	64,167	(NA)	13,242	(NA)	361,243	(NA)	18,846	282	25
116,993	29,822	33,014	17,631	7,466	181,501	23,425	2,879	491	26
[5]83,942	26,150	[5] [6]35,711	24,074	10,554	[5]148,747	31,680	2,504	280	27
34,865	9,253	(NA)	583	(NA)	44,701	(NA)	1,237	120	28
38,427	11,538	2,147	3,446	1,195	53,842	2,911	580	173	29
[5]38,692	11,498	[5]2,672	1,787	3,256	[5]52,083	5,822	527	127	30
18,952	4,335	(NA)	102	(NA)	23,389	(NA)	233	50	31
344,770	44,069	16,718	49,741	18,729	407,929	66,098	7,175	1,189	32
[5]258,503	43,751	[5] [6]1,399	56,146	25,319	[5]313,659	71,475	9,546	1,274	33
32,679	3,016	(NA)	3,176	(NA)	38,871	(NA)	1,856	299	34
255,896	67,986	37,038	36,338	31,390	369,520	59,128	6,232	622	35
[5]207,541	50,243	[5] [6]3,355	40,761	24,787	[5]262,214	56,479	4,873	444	36
41,875	9,815	(NA)	601	(NA)	52,291	(NA)	2,113	157	37
534,146	120,090	89,911	139,258	47,837	707,071	224,171	19,431	1,428	38
[5]338,096	67,887	[5] [6]5,773	72,572	41,036	[5]403,274	121,656	12,384	1,073	39
44,683	6,955	(NA)	7,522	(NA)	59,160	(NA)	9,234	1,145	40
195,533	59,168	7,973	18,412	[15]6,012	257,177	[15]29,921	[15]4,579	367	41
179,001	48,748	[5]1,078	30,428	9,154	[5]219,031	47,867	3,747	338	42
40,560	13,540	(NA)	130	(NA)	54,230	(NA)	2,372	252	43

Table 5.—General Statistics for Mineral Operations, by Divisions,

	Division, State, and year	Establishments, number		All employees		Production and development workers		
		Total[3]	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours	Wages ($1,000)
	DIVISION AND STATES—Continued							
	Mountain—Continued							
	Utah:							
1	1958	468	79	14,100	80,290	11,684	23,013	63,238
2	1954[7]	562	59	12,685	56,807	10,298	19,903	43,447
3	1939[8]	199	(NA)	10,832	16,614	9,529	18,466	13,274
	Nevada:							
4	1958	208	30	3,159	16,688	2,552	5,157	13,028
5	1954[7]	454	43	5,336	25,796	4,659	10,378	21,894
6	1939[8]	295	(NA)	5,658	9,218	5,099	11,344	7,880
	Pacific:							
	Mineral industries only:							
7	1958	2,059	307	37,047	228,925	26,062	52,871	142,881
8	1954	2,755	360	43,898	223,675	33,218	66,398	155,722
	Including operations in manufactures:							
9	1958	2,227	325	38,424	235,893	27,429	55,579	149,784
10	1954[7]	2,861	372	44,819	227,431	34,137	68,232	159,471
11	1939[8]	2,354	(NA)	46,399	85,105	38,764	77,826	64,350
	Washington:							
12	1958	239	30	2,236	11,977	1,795	3,187	8,944
13	1954[7]	311	35	3,228	14,781	2,647	4,912	11,403
14	1939[8]	177	(NA)	4,248	6,203	3,894	6,608	5,376
	Oregon:							
15	1958	230	15	1,367	6,921	1,138	2,270	5,622
16	1954[7]	296	13	1,487	6,546	1,331	2,690	5,718
17	1939[8]	128	(NA)	1,476	1,955	1,309	2,672	1,627
	California:							
18	1958	1,758	280	34,821	216,995	24,496	50,122	135,218
19	1954[7]	2,254	324	40,104	206,104	30,159	60,630	142,350
20	1939[8]	2,049	(NA)	40,675	76,947	33,561	68,546	57,347
	Alaska:							
21	1958	160	9	988	7,642	816	2,047	5,725
22	1954[7]	194	14	1,436	9,529	1,197	2,990	7,663
	Hawaii:							
23	1958	24	8	445	1,820	391	793	1,522
24	1954[7]	13	2	171	598	156	320	517

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958 and 1954, represents gross value of shipments and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For 1939, represents net production and excludes this duplication. For 1954 and 1939, excludes the value of residue gas from natural gas liquids plants

[2]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[3]For 1939, represents the number of mines and quarries, number of natural gas liquids plants, number of crude petroleum and natural gas establishments, and for mining services industries, number of operating companies.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of liquids contained in such gas.

[7]Excludes data for sand and gravel mining operations in manufacturing establishments.

[8]Except for value of shipments and value added excludes data for dimension stone dressing plants operated in conjunction with quarries. For the United States, the value added in dressing stone at such operations was $7,913 thousand; this value has been included in the value of shipments and value added in mining.

States, Alaska, and Hawaii: 1958, 1954, and 1939—Continued

Value added in mining ($1,000)	Selected expenses ($1,000)				Value of shipments and receipts[1] ($1,000)	Capital expenditures[2] ($1,000)	Energy used[2] (kwh equivalent)		
	Supplies, purchases for resale, and purchased fuels and electricity[4]	Minerals received for preparation	Contract work[4]	Purchased machinery installed[2]			Total (million)	For production worker (1,000)	
250,132	75,790	101,876	47,246	[15]22,368	432,288	[15]65,124	[15]4,722	404	1
[5]153,235	39,679	[5]75,609	16,565	10,090	[5]275,157	19,438	3,851	374	2
51,550	11,225	(NA)	262	(NA)	63,037	(NA)	1,346	141	3
34,302	[9]31,172	([9])	2,949	7,644	66,318	9,749	853	334	4
[5]54,795	26,327	[5]14,766	14,020	4,410	[5]104,071	10,262	929	199	5
18,670	6,028	(NA)	866	(NA)	25,564	(NA)	455	89	6
1,265,284	[16]175,448	[16]108,176	109,322	47,757	1,534,282	171,705	37,106	1,424	7
[5]1,350,173	175,791	[5 6]29,250	144,695	72,765	[5]1,544,353	228,371	39,178	1,179	8
1,299,098	[16]182,601	[16]108,177	109,376	47,807	1,575,303	171,756	37,113	1,353	9
[5]1,367,855	179,826	[5 6]29,251	144,706	72,790	[5]1,566,056	228,422	39,180	1,148	10
333,283	46,357	(NA)	20,782	(NA)	400,422	(NA)	29,396	758	11
28,386	[9]10,095	([9])	1,974	1,583	39,220	2,818	481	268	12
[5]25,182	8,307	[5]214	1,740	2,387	[5]34,998	2,857	404	153	13
11,075	2,554	(NA)	65	(NA)	13,694	(NA)	251	64	14
18,633	6,173	166	3,083	1,632	23,085	6,602	345	303	15
13,168	4,681	66	1,899	2,761	18,872	3,703	349	262	16
3,807	1,298	(NA)	15	(NA)	5,120	(NA)	143	109	17
1,252,079	166,833	107,511	104,319	44,592	1,512,998	162,336	36,287	1,481	18
[5]1,329,505	166,838	[5 6]28,971	141,067	67,642	[5]1,512,186	221,862	38,427	1,274	19
318,401	42,505	(NA)	20,702	(NA)	381,608	(NA)	29,002	864	20
9,214	4,453	500	7,120	1,674	17,346	5,615	652	799	21
14,383	4,890	121	1,651	3,305	19,753	4,597	677	566	22
4,887	1,228	...	128	668	6,207	704	64	164	23
1,266	349	...	130	226	1,778	193	19	122	24

[9]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[10]For Middle Atlantic, excludes data for dimension stone operations in manufactures in New Jersey; for the East North Central, excludes data for dimension stone operations in manufactures in Michigan. For the West North Central, excludes data for deminsion stone mining operations in manufactures in Iowa and Nebraska. For the South Atlantic, excludes data for dimension stone operations in manufactures in Florida.

[11]For dimension stone operations in manufactures in New Hampshire, Rhode Island, Missouri, Georgia, and Florida, the cost of minerals received for preparation and contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[12]The cost of minerals received for preparation in South Carolina and Texas are included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[13]The cost of minerals received for preparation in the Metal Mining Industries is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[14]The cost of minerals received for preparation in Nevada are included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[15]Excludes data for dimension stone operations in manufactures.

[16]The cost of minerals received for preparation in the Metal Mining and Nonmetallic Mineral Mining Industries in Washington is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

Table 6.–Value of Primary and Secondary Shipments and Receipts and Value of Net Shipments in All Industries, by Industry for the United States: 1958

Ind. code	Industry or subindustry	Value of shipments and receipts of establishments classified in the industry ($1,000)					Value of net shipments of primary products or services of the industry shipped or performed by establishments in all industries ($1,000)		
		Total	Primary products	Secondary products	Receipts for secondary services	Products purchased and resold without further processing	Total (produced or performed in all industries)	Produced or performed in this industry	Produced or performed in other industries
10	Metal mining:								
1011	Iron ores	681,938	(D)	(D)	657	(D)	624,841	(D)	(D)
1021	Copper ores	457,644	440,410	17,054	130	50	369,419	357,244	12,175
1031	Lead and zinc ores	120,561	116,420	4,031	110	...	102,676	99,702	2,974
	Lead ores	75,603	61,553	13,940	110	...	59,941	54,094	5,847
	Zinc ores	44,958	37,790	7,168	...	...	42,735	28,531	14,204
104	Gold and silver ores:								
1042	Lode gold	29,506	29,436	70	...	...	29,072	28,164	908
1043	Placer gold	6,326	6,314	12	...	...	6,314	6,314	...
1044	Silver ores	12,557	12,313	244	...	...	13,093	12,177	916
1051	Bauxite	18,174	18,155	...	19	...	17,355	17,355	...
106	Ferroalloy ores:								
1062	Manganese ores	39,385	(D)	(D)	(D)	...	32,776	(D)	(D)
1064	Tungsten ores	14,430	(D)	(D)	(D)	...	13,675	(D)	(D)
1069	Ferroalloy ores, nec	57,706	(D)	(D)	...	...	67,868	(D)	(D)
108	Metal mining services:								
1081	Metal mining stripping services	10,270	(D)	...	(D)	...	10,886	(D)	(D)
1082	Metal mining services, nec	22,114	(D)	...	(D)	...	21,377	(D)	(D)
109	Miscellaneous metal ores:								
1092	Mercury ores	8,607	(D)	...	(D)	(D)	[1]8,402	[1]8,402	...
1093	Titanium ores	17,158	(D)	(D)	(D)	(D)	[2]12,365	(D)	(D)
1094	Uranium-radium-vanadium ores	336,451	(D)	(D)	1,475	...	224,931	(D)	(D)
1099	Metallic ores, nec	3,018	2,940	78	...	...	3,551	(D)	(D)
11	Anthracite mining:								
1111	Anthracite	290,342	282,593	(D)	(D)	4,960	196,425	196,425	...
1112	Anthracite stripping services	34,463	(D)	...	(D)	...	[3]33,305	(D)	(D)
1113	Anthracite mining services, nec	323	(D)	...	(D)	...	[3]926	(D)	(D)
12	Bituminous coal and lignite mining:								
1211	Bituminous coal	2,390,677	2,363,691	3,119	1,068	22,799	2,055,042	2,054,607	435
1212	Lignite	11,035	11,021	...	14	...	11,021	11,021	...
1213	Coal stripping services, nec	19,162	19,112	...	18	32	19,123	19,112	11
1214	Coal mining services, nec	2,487	2,262	...	207	18	2,414	2,262	152
13	Oil and gas extraction:								
1311	Crude petroleum and natural gas	8,385,906	8,325,029	121	59,436	1,320	8,376,465	8,325,029	51,436
	Crude petroleum	7,809,898	6,899,121	854,006	55,480	1,291	7,082,194	6,899,121	183,073
	Natural gas	576,008	432,565	139,458	3,956	29	1,294,271	432,565	861,706
1321	Natural gas liquids	1,625,098	1,617,511	1,708	5,879	...	699,328	699,328	...
138	Oil and gas field services:								
1381	Drilling oil and gas wells	904,939	842,509	49,515	10,697	2,218	895,267	842,509	52,758
1382	Oil and gas exploration services	87,215	83,991	24	2,093	1,107	84,647	83,991	656
1389	Oil and gas field services, nec	633,729	560,656	1,897	13,149	58,027	578,104	560,656	17,448
	Survey, log, cement services	220,829	150,361	24	24,130	46,314	181,215	150,361	30,854
	Miscellaneous oil and gas field services	412,900	357,713	1,873	41,601	11,713	396,889	357,713	39,176
14	Nonmetallic minerals mining:								
1411	Dimension stone	15,864	15,275	438	6	145	22,154	15,275	6,879
	Dimension limestone	4,174	4,128	41	5	...	7,139	4,128	3,011
	Dimension granite	5,577	5,166	350	1	60	5,864	5,166	698
	Dimension stone, nec	6,113	5,979	49	...	85	9,151	5,979	3,172
1421	Crushed and broken stone	616,076	583,039	18,466	2,988	11,583	[4]731,642	580,851	[4]150,791
	Crushed and broken limestone	459,037	432,066	14,427	2,426	10,118	[4]577,004	430,007	[4]146,997
	Crushed and broken granite	49,596	48,467	767	157	205	[4]49,961	48,467	[4]1,494
	Crushed and broken stone, nec	107,443	99,376	6,402	405	1,260	[4]104,677	99,247	[4]5,430
1441	Sand and gravel	560,806	519,327	29,154	4,595	7,730	[4]591,188	518,457	[4]72,731
	Common sand and gravel	516,090	474,510	29,944	4,595	7,041	[4]550,289	473,717	[4]76,572
	Glass sand	28,343	19,442	8,568	...	333	[5]21,955	[5]19,442	2,513
	Molding sand	16,373	14,319	1,698	...	356	[5]19,021	[5]14,319	4,702
145	Clay and related minerals:								
1452	Bentonite	16,843	16,603	(D)	(D)	...	23,207	[6]16,505	[6]6,702
1453	Fire clay	18,606	17,735	632	230	9	[4]33,497	17,559	[4]15,938
1454	Fuller's earth	8,692	(D)	(D)	...	(D)	6,778	6,778	...
1455	Kaolin and ball clay	42,434	(D)	463	...	(D)	47,664	(D)	(D)
1456	Feldspar	6,889	6,228	661	...	...	7,018	5,772	1,246
1457	Magnesite and brucite	7,270	7,270	...	...	...	7,270	7,270	...
1459	Clay and related minerals, nec	22,004	21,741	(D)	...	(D)	[4]68,202	21,741	[4]46,461

See footnotes at end of table.

Table 6.—Value of Primary and Secondary Shipments and Receipts and Value of Net Shipments in All Industries, by Industry for the United States: 1958—Continued

Ind. code	Industry or subindustry	Value of shipments and receipts of establishments classified in the industry ($1,000)					Value of net shipments of primary products or services of the industry shipped or performed by establishments in all industries ($1,000)		
		Total	Primary products	Secondary products	Receipts for secondary services	Products purchased and resold without further processing	Total (produced or performed in all industries)	Produced or performed in this industry	Produced or performed in other industries
14	Nonmetallic minerals mining—Continued								
147	Chemical and fertilizer minerals:								
1472	Barite	13,768	(D)	(D)	(D)	...	31,868	13,434	18,434
1473	Fluorspar	19,977	18,781	(D)	(D)	...	15,443	15,443	...
1474	Potash, soda, borate minerals	141,115	138,807	2,308	...	...	138,413	(D)	(D)
1475	Phosphate rock	132,094	131,969	(D)	(D)	52	99,036	99,036	...
1476	Rock salt	41,813	37,623	4,190	...	...	40,525	(D)	(D)
1477	Sulfur	106,202	106,200	2	...	...	106,200	106,200	...
1479	Chemical-fertilizer mining, nec	9,643	(D)	(D)	(D)	...	21,690	9,452	12,238
148	Nonmetallic minerals services:								
1481	Nonmetallic minerals stripping	4,787	4,278	...	509	...	4,317	4,278	39
1482	Nonmetallic minerals services, nec	3,147	3,004	...	143	...	3,054	3,004	50
149	Miscellaneous minerals, nec:								
1492	Gypsum	7,048	7,036	4	8	...	[4]34,160	7,036	[4]27,124
1493	Mica	6,221	6,103	113	...	5	10,490	6,103	[5]4,387
1494	Native asphalt and bitumens	8,041	8,027	...	14	...	8,027	8,027	...
1495	Pumice and pumicite	5,002	(D)	(D)	...	...	5,006	(D)	(D)
1496	Talc, soapstone, pyrophyllite	14,908	14,607	271	30	...	19,167	(D)	(D)
1497	Natural abrasives, except sand	3,373	(D)	(D)	...	...	3,510	(D)	(D)
1498	Peat	4,379	(D)	(D)	50	9	4,253	(D)	(D)
1499	Nonmetallic minerals, nec	31,611	31,493	111	2	5	31,349	(D)	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Represents gross shipments of mercury metal only.
[2]Represents gross shipments of titanium concentrates.
[3]Represents services performed in the two anthracite services industries only.
[4]Includes the estimated value of minerals produced and used in the same manufacturing establishment in making manufactured products.
[5]Represents gross shipments.
[6]Includes crude bentonite produced in other mineral industries, amounting to less than one percent of the figure shown.
[7]Excludes crude bentonite.

Table 7.–Quantity and Value of Mineral Products as Reported to the Bureau of the Census and to the Bureau of Mines for the United States, Alaska, and Hawaii: 1958

Product	Unit of measure	Bureau of the Census statistics			Bureau of Mines statistics		
		Production (quantity)	Shipments, including interplant transfers		Production (quantity)	Shipments	
			Quantity	Value ($1,000)		Quantity	Value ($1,000)
METAL ORES AND CONCENTRATES							
Iron ore, except manganiferous iron ore:							
Crude iron ore	1,000 long tons	108,384	[1]50,586	[1]311,292	109,815	(NA)	(NA)
Net production and net shipments	...do	66,993	[2]66,003 [3]68,121	[2]606,729 [3]621,799	66,970	66,288	569,154
Manganiferous iron ore:							
Crude manganiferous iron ore	...do	882	([1])	([1])	(NA)	(NA)	(NA)
Net production and shipments	...do	437	[3]409	[3]3,042	(NA)	[4]431	[4]2,929
Copper, lead, zinc, gold, and silver ores (production and net shipments)	1,000 short tons	[5]129,216	4,384	29,417	134,516	(NA)	(NA)
Metal content of copper, lead, zinc, gold, and silver-bearing materials:[6]							
Copper	1,000 pounds	1,993,911	(NA)	(NA)	1,958,658	(NA)	[7]515,127
Lead	...do	571,832	(NA)	(NA)	534,754	(NA)	[7]62,566
Zinc	...do	927,407	(NA)	(NA)	824,010	(NA)	[7]84,113
Gold	1,000 fine ounces	1,739	(NA)	(NA)	1,739	(NA)	[7]60,874
Silver	...do	35,577	(NA)	(NA)	34,088	(NA)	[7]30,851
Copper ores:							
Crude ore mined in the Copper Ores Industry (production and net shipments)	Production: 1,000 short tons of ores or concentrates	111,957	copper 1,792,489	21,622	[8]114,824	copper [8]1,819,465	(NA)
Copper concentrates		3,307		316,147	(NA)		(NA)
Copper precipitates (Metal content)		(NA)	174,868	31,650	(NA)	198,000	(NA)
Lead and zinc ores:	Shipments: 1,000 pounds of metal contained						
Crude ore mined in the Lead and Zinc Ores Industry (production and net shipments)		14,405	lead 562,970	5,184	[9]16,534	lead [9]515,818	(NA)
Lead concentrates		383	zinc 924,074	54,813	(NA)	zinc [9]768,214	(NA)
Zinc concentrates		758		42,679	(NA)		(NA)
Lode gold:	Production: 1,000 short tons of ores or concentrates						
Crude ore mined in the Lode Gold Industry (production and net shipments)	Shipments: 1,000 fine ounces of metal contained	2,358	gold 137.3	1,192	[10]2,518	gold [11]110.4	(NA)
Gold concentrates		28		3,790	(NA)		(NA)
Mill bullion		(NA)	680.3	24,090	(NA)	[12]692.3	(NA)
Placer gold	1,000 fine ounces	362.1	362.5	12,580	371	(NA)	[7]12,984
Silver ores:	Production: 1,000 short tons of ores or concentrates						
Crude ore mined in the Silver Ores Industry (production and net shipments)	Shipments: 1,000 fine ounces of metal contained	496	silver 13,234	1,419	[13]639	silver [15]12,910	(NA)
Silver concentrates and mill bullion		[14]21		11,674	(NA)		(NA)
Bauxite:							
Crude bauxite	1,000 long tons	1,612	1,662	15,607	1,584	(NA)	(NA)
Prepared bauxite	...do	136	137	2,548	137	(NA)	(NA)
Net shipments	...do	xxx	[2]1,658 [3]1,656	[2]17,089 [3]17,355	xxx	1,649	13,984
Manganese ores:							
Crude manganese ores	...do	1,395	508	17,448	(NA)	(NA)	(NA)
Net shipments	...do	xxx	[2]336 [3]460	[2]27,156 [3]32,776	xxx	[16]326	[16]24,140
Tungsten ores:							
Crude tungsten ores	1,000 short tons	188	...	...	(NA)	(NA)	(NA)
Tungsten concentrates	...do	6	6	13,675	(NA)	[17]4	[17]3,991
Chromium ores:							
Crude chromium ores	...do	300	150	6,001	(NA)	144	6,187
Chromium concentrates	...do	(D)					
Molybdenum concentrates	...do	36	37	49,993	[18]21	[18]21	50,371
Mercury ores:							
Crude mercury ores	...do	[19]400	(D)	(D)	[20]328	(NA)	(NA)
Mercury metal	Flasks (70 pounds)	[19]33,812	[19]37,144	[21]8,402	38,067	(NA)	8,720
Titanium ores:							
Crude titanium ores	1,000 short tons	13,244	...	...	(NA)	(NA)	(NA)
Titanium concentrates	...do	606	598	12,365	571	567	11,365
Uranium-radium-vanadium ores:							
Crude uranium-vanadium ores	...do	5,480	3,622	91,303	5,178	(NA)	[22]116,515
Uranium-vanadium concentrates	...do	59	59	243,080	[23]13	(NA)	[22]238,000

See footnotes at end of table.

Table 7.—Quantity and Value of Mineral Products as Reported to the Bureau of the Census and to the Bureau of Mines for the United States, Alaska, and Hawaii: 1958—Continued

Product	Unit of measure	Bureau of the Census statistics			Bureau of Mines statistics		
		Production (quantity)	Shipments, including interplant transfers		Production (quantity)	Shipments	
			Quantity	Value ($1,000)		Quantity	Value ($1,000)
METAL ORES AND CONCENTRATES--Continued							
Bastnaesite and monazite concentrates	Short tons	5,663	1,074	250	(NA)	987	(NA)
Beryllium concentrates	...do	474	474	213	463	463	238
Zirconium concentrates	...do	36,458	40,734	1,678	30,443	(NA)	[24] 1,248
Antimony concentrates, platinum, and thorium concentrates		xxx	xxx	[21] 3,157	xxx	xxx	(NA)
COAL							
Anthracite:							
Net production and net shipments	1,000 short tons	22,258	[2] 21,630 [25] 22,341	[2] 197,218 [25] 196,425	21,171	20,976	186,665
Bituminous coal:							
Net production and net shipments	...do	413,580	417,075	2,062,140	408,019	(NA)	[26] 1,990,575
Lignite:							
Net production and net shipments	...do	4,231	4,231	11,021	2,427	(NA)	[26] 5,706
OIL AND GAS							
Crude petroleum	1,000 barrels	[27] 2,319,162	2,317,565	6,934,158	2,448,987	(NA)	[26] 7,379,973
Field condensate and drips	...do	(NA)	48,647	148,036			
Natural gas	Million cu. ft	12,152,585	10,134,236	1,294,271	13,146,635	[28] 11,030,248	[28] 1,317,492
Natural gas liquids:							
Net production and net shipments	1,000 barrels	294,192	294,887	699,328	294,749	292,128	[26] 689,710
NONMETALLIC MINERALS, EXCEPT FUELS							
Dimension stone, total	1,000 short tons	(NA)	2,957	80,559	[29] 2,522	(NA)	[29] 80,254
Rough (net)	...do	(NA)	1,662	18,613	[30] 1,220	(NA)	[30] 18,152
Dressed	...do	(NA)	1,295	61,946	[30] 1,302	(NA)	[30] 62,102
Limestone, total	...do	(NA)	1,129	18,331	[29] 979	(NA)	[29] 18,757
Rough (net)	...do	(NA)	705	7,009	[29] 542	(NA)	[29] 4,239
Dressed	...do	(NA)	424	11,322	[29] 437	(NA)	[29] 14,518
Granite, total	...do	(NA)	807	29,827	[29] 621	(NA)	[29] 24,059
Rough (net)	...do	(NA)	333	3,711	[29] 281	(NA)	[29] 9,419
Dressed	...do	(NA)	474	26,116	[29] 340	(NA)	[29] 14,640
Stone, nec, total	...do	(NA)	1,021	32,401	[29] 922	(NA)	[29] 37,438
Rough (net)	...do	(NA)	624	7,893	[30] 397	(NA)	[30] 4,494
Dressed	...do	(NA)	397	24,508	[30] 525	(NA)	[30] 32,944
Crushed and broken stone (net), total	...do	(NA)	(NA)	(NA)	[29] 533,401	(NA)	[29] 746,431
Excluding Federal, State, and local government operations	...do	[31] 484,592	405,240	616,649	(NA)	(NA)	(NA)
Commercial	...do	(NA)	(NA)	(NA)	[29] 483,634	(NA)	[29] 694,801
Government and contractor	...do	(NA)	(NA)	(NA)	[29] 49,767	(NA)	[29] 51,630
Limestone[32]	...do	[31] 388,360	309,491	459,564	[29] 390,468	(NA)	[29] 516,765
Granite[32]	...do	[31] 33,812	33,812	49,961	[29] 31,337	(NA)	[29] 45,432
Stone, nec[32]	...do	[31] 62,420	61,937	107,124	[29] 111,596	(NA)	[29] 184,234
Common sand, total	...do	(NA)	(NA)	(NA)	[20] 230,451	(NA)	[29] 220,386
Excluding Federal, State, and local government operations	...do	[33] 232,708	[33] 219,407	[33] 219,246	(NA)	(NA)	(NA)
Commercial	...do	(NA)	(NA)	(NA)	[29] 200,371	(NA)	[29] 203,428
Government and contractor	...do	(NA)	(NA)	(NA)	[29] 30,080	(NA)	[29] 16,958
Glass sand	...do	7,446	7,421	21,955	[29] 5,575	(NA)	[29] 17,858
Molding sand	...do	7,763	7,709	19,021	[29] 5,632	(NA)	[29] 12,827
Gravel, total	...do	(NA)	(NA)	(NA)	[29] 442,840	(NA)	[29] 401,718
Excluding Federal, State, and local government operations	...do	[33] 306,042	[33] 292,516	[33] 309,606	(NA)	(NA)	(NA)
Commercial	...do	(NA)	(NA)	(NA)	[29] 277,716	(NA)	[29] 291,170
Government and contractor	...do	(NA)	(NA)	(NA)	[29] 165,124	(NA)	[29] 110,548
Bentonite:							
Crude bentonite	...do	[34] 1,705	[35] 396	[35] 1,394	(NA)	(NA)	(NA)
Prepared bentonite	...do	(NA)	1,343	21,813	(NA)	(NA)	(NA)
Net shipments by the bentonite industry	...do	xxx	[36] 1,558	[36] 16,505	[29] 1,291	(NA)	[29] 15,317
Fire clay:							
Crude fire clay	...do	[38] 8,724	3,517	13,389	[29] 8,808	(NA)	[29] 40,420
Prepared fire clay	...do	(NA)	1,033	6,070			

See footnotes at end of table.

Table 7.–Quantity and Value of Mineral Products as Reported to the Bureau of the Census and to the Bureau of Mines for the United States, Alaska, and Hawaii: 1958–Continued

Product	Unit of measure	Bureau of the Census statistics			Bureau of Mines statistics		
		Production (quantity)	Shipments, including interplant transfers		Production (quantity)	Shipments	
			Quantity	Value ($1,000)		Quantity	Value ($1,000)
NONMETALLIC MINERALS, EXCEPT FUELS--Continued							
Fuller's earth:							
Net shipments	1,000 short tons	xxx	285	6,778	[29]358	(NA)	[29]7,609
Kaolin and ball clay:							
Crude kaolin and ball clay	...do	[34]3,044	[35]314	[35]3,066	[29]2,619	(NA)	[29]41,924
Prepared kaolin and ball clay	...do	(NA)	2,311	44,598			
Feldspar:							
Crude feldspar	...do	506	120	866	526	[29]470	[29]4,278
Prepared feldspar	...do	(NA)	465	6,608	(NA)	470	6,540
Common clay and shale:[37]							
Crude common clay and shale	...do	[38]31,683	2,044	3,034	[29]30,674	(NA)	[29]38,216
Prepared common clay and shale	...do	(NA)	3,649	26,191			
Magnesite and brucite	...do	[34]508	154	7,270	633	[29]642	[29]4,572
Aplite, kyanite, laterite, and olivine	...do	(NA)	234	2,777			
Barite:							
Crude barite	...do	608	148	1,402	[39]486	(NA)	(NA)
Prepared barite	...do	(NA)	[40]1,120	[40]30,466	[41]1,014	[41]1,027	[41]28,352
Net shipments by the barite industry	...do	xxx	603	13,434	xxx	[29]605	[29]7,510
Fluorspar:							
Production and shipments:							
Crude fluorspar	...do	836	96	1,785	818	(NA)	(NA)
Prepared fluorspar	...do	368	366	16,996	(NA)	(NA)	(NA)
Net shipments	...do	xxx	275	15,443	xxx	320	15,071
Crude fluorspar prepared	...do	921	(NA)	(NA)	815	(NA)	(NA)
Potash, soda, borate minerals:							
Potassium salts:							
Crude salts	...do	12,224	4,002	82,468	12,224	(NA)	(NA)
Processed or refined salts	...do	3,710			3,640	(NA)	[26]75,000
Sodium carbonates	...do	(NA)	639	17,175	(NA)	[29]629	[29]17,032
Sodium sulfate	...do	(NA)	344	6,495	(NA)	347	6,716
Boron compounds	...do	(NA)	[2]559	[2]32,275	(NA)	528	38,310
Phosphate rock:							
Crude ore or matrix	1,000 long tons	46,031	3,162	8,922	46,459	(NA)	(NA)
Washed or concentrated	...do	12,636	8,492	41,607	12,360	(NA)	(NA)
Dried, calcined, or sintered	...do	11,747	11,817	81,440	11,486	(NA)	(NA)
Net shipments	...do	xxx	[2]15,182 [42]15,605	[2]90,105 [42]99,036	xxx	[29]14,714	[29]92,769
Rock salt	1,000 short tons	(NA)	[2]5,447	[2]40,525	(NA)	[29]5,407	[29]37,125
Native sulfur and sulfur ore	1,000 long tons	4,654	4,619	106,200	4,646	4,798	110,777
Frasch process sulfur	...do	4,642	4,607	105,995	4,643	4,644	109,272
Sulfur ore	...do	12	12	205	6	154	1,505
Pyrites	...do	1,025	377	2,392	974	(NA)	[26]7,987
Elemental sulfur	...do	669	628	16,465	642	(NA)	(NA)
Gypsum:							
Crude	1,000 short tons	[43]9,384	737	1,414	9,600	(NA)	[26]32,495
Prepared (crushed, ground, screened, or dried)	...do	(NA)	3,829	15,939	(NA)	(NA)	(NA)
Mica:							
Hand-cobbed mica	1,000 pounds	3,407	3,395	849	[29]3,478	(NA)	(NA)
Sheet mica	...do	407	406	2,702	[44]661	(NA)	[44]2,844
Scrap (or flake) mica	Short tons	106,326	48,478	989	[29]93,347	(NA)	[29]2,065
Ground mica	...do	(NA)	114,892	5,950	[29]97,529	(NA)	[29]5,560
Native asphalt and bitumens:							
Gilsonite	1,000 short tons	317	321	4,700	317	(NA)	[26]4,864
Bituminous limestone and sandstone	...do	1,298	1,298	3,327	1,326	(NA)	[26]3,343
Pumice and pumicite	...do	2,093	2,073	5,486	[29]1,973	(NA)	[29]5,287
Talc, soapstone, and pyrophyllite:							
Crude	...do	726	[2]237	[2]1,574	[45]718	(NA)	[45]4,718
Prepared	...do	(NA)	600	17,593	[45]633	(NA)	[45]13,856
Natural abrasives, except sand	...do	66	65	3,510	[46]69	(NA)	[46]1,474
Peat	...do	366	365	4,253	328	(NA)	[26]3,446
Asbestos, crude and prepared	...do	44	[2]44	[2]4,900	44	(NA)	[26]5,127
Diatomite, prepared	...do	458	452	20,114	[29]438	(NA)	[29]20,216
Perlite:							
Crude	...do	364	18	92	372	(NA)	(NA)
Prepared[47]	...do	278	265	2,512	[29]292	(NA)	[29]2,464
Other nonmetallic minerals:							
Crude	...do	206	2	35	(NA)	(NA)	[26]4,387
Prepared	...do	204	209	3,696	(NA)	(NA)	

See footnotes on next page.

FOOTNOTES—TABLE 7

D Withheld to avoid disclosing figures for individual companies.
NA Not available.
[1]Manganiferous iron ore is included with "Iron ore, except manganiferous iron ore."
[2]Represents gross shipments less receipts from other establishments for preparation. For iron ore, see also footnote 1.
[3]Represents shipments of direct-shipping ore, concentrates to consumers, and agglomerates.
[4]Represents manganiferous iron ore and for Minnesota ferruginous manganese ore.
[5]Represents only ores mined in the Copper Ores, Lead and Zinc Ores, Lode Gold, and Silver Ores Industries.
[6]Census quantity figures represent gross metal content, and all figures except those for placer gold exclude Alaska. Bureau of Mines quantity figures represent recoverable metal content of mine production.
[7]Estimated by the Bureau of Mines from the quantity of mine production and an average price. For copper, lead, and zinc, represents the weighted average unit price of domestic refined metals delivered to purchases. For gold, represents the price under authority of the Gold Reserve Act of January 31, 1944. For silver, represents the Treasury buying price for newly mined silver.
[8]Represents "copper ore" sold or treated. Shipments represent recoverable content.
[9]Represents "lead ore," "zinc ore," "lead-zinc ore," and "copper-lead, copper-zinc, and copper-lead-zinc ores." Shipments represent recoverable content.
[10]Represents "gold ore" and "gold-silver ore" produced. Shipments represent recoverable content.
[11]Represents metal contained in "gold ore" and "gold-silver ore" produced less mill bullion produced. Shipments represent recoverable content.
[12]Represents production.
[13]Represents "silver ore" produced.
[14]Represents concentrates only.
[15]Represents recoverable metal contained in "silver ore" and mill bullion.
[16]Represents manganese ore (35 percent or more manganese) and ferruginous manganese ore except in Minnesota. These shipments represent marketable ores from the consumer's standpoint; besides direct-shipping ore, they include without duplication concentrates and nodules made from domestic ores.
[17]Represents concentrates from domestic ores. Census figures include concentrates produced in the United States from imported material.
[18]Represents molybdenum content of concentrates.
[19]Excludes figures for Alaska. The Bureau of Mines showed production of 3,380 flasks of mercury in Alaska.
[20]Represents mercury ores treated.
[21]The value of mercury metal produced in Alaska is excluded from the figure for mercury metal and included with the value of "Antimony concentrates, platinum, and thorium concentrates.
[22]Represents value of production f.o.b. mine.
[23]Represents tonnage of U_3O_8 contained in uranium concentrates produced.
[24]Estimated from the quantity of mine production and the year-end price of zircon concentrates at Jacksonville.
[25]Represents raw coal shipped for use without preparation plus prepared coal.
[26]Represents value of production.
[27]Represents crude petroleum shipped plus crude petroleum produced and used in the same establishment in lease operations.
[28]Represents marketed production, "comprising gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipe lines." Census figures show 562,731 million cubic feet of gas produced and used in the same establishment in lease operations and net increase in underground storage of 12,368 million cubic feet; these figures are not included in the Census shipments figures shown.
[29]Represents minerals sold or used by producers.
[30]Figures for rough monumental marble are included with those for dressed monumental marble. See also footnote 29.
[31]Represents stone shipments plus stone mined and used in the same establishment in making cement, lime, and other manufactured products. Figures for a small tonnage of granite mined and used in the same establishment are excluded from the Granite figures and included with those for Stone, nec.
[32]Census figures exclude operations by Federal, State, and local governments. Bureau of Mines figures represent totals for all stone sold or used by commercial, Government, and contractor operations. For Alaska and Hawaii, Census figures for Granite are included with those for Limestone. For Hawaii, Census shipments figures include the quantity and estimated value of limestone mined and used in the same establishment in making lime.
[33]Figures for Common sand exclude and figures for Gravel include sand produced in Alaska and Hawaii.
[34]Represents quantity mined and prepared in the same establishment plus quantity of crude net shipments.
[35]Represents net shipments by mineral industries.
[36]Includes shipments of crude bentonite by mineral industries other than Bentonite.
[37]Census figures exclude Hawaii.
[38]Represents quantity mined and used in the same establishment in making cement, clay products, and prepared clay plus quantity of crude clay shipped.
[39]Represents mine or plant output of primary barite.
[40]Includes some barite that was prepared by washing only.
[41]Represents crushed and ground barite sold by producers.
[42]Represents shipments of crude ore or matrix, except to washer or concentrator; washed or concentrated rock, except to drier; and dried, calcined, or sintered rock.
[43]In addition to gypsum mined for shipment in crude or prepared form, includes 5,581 tons of gypsum valued at approximately $21,174 thousand, produced and used in the same establishment in the manufacture of calcined gypsum products.
[44]Represents sheet mica plus full-trimmed equivalent of hand-cobbed mica. See also footnote 29.
[45]Excludes dimension soapstone. For crude material, see also footnote 26, and for prepared material, see also footnote 29.
[46]Represents minerals sold or used by producers. For tripoli included, represents value of crude material.
[47]Includes simple preparation methods, such as drying and crushing; does not include expansion.

GEOGRAPHIC DIVISIONS

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REGIONS AND GEOGRAPHIC DIVISIONS OF THE UNITED STATES



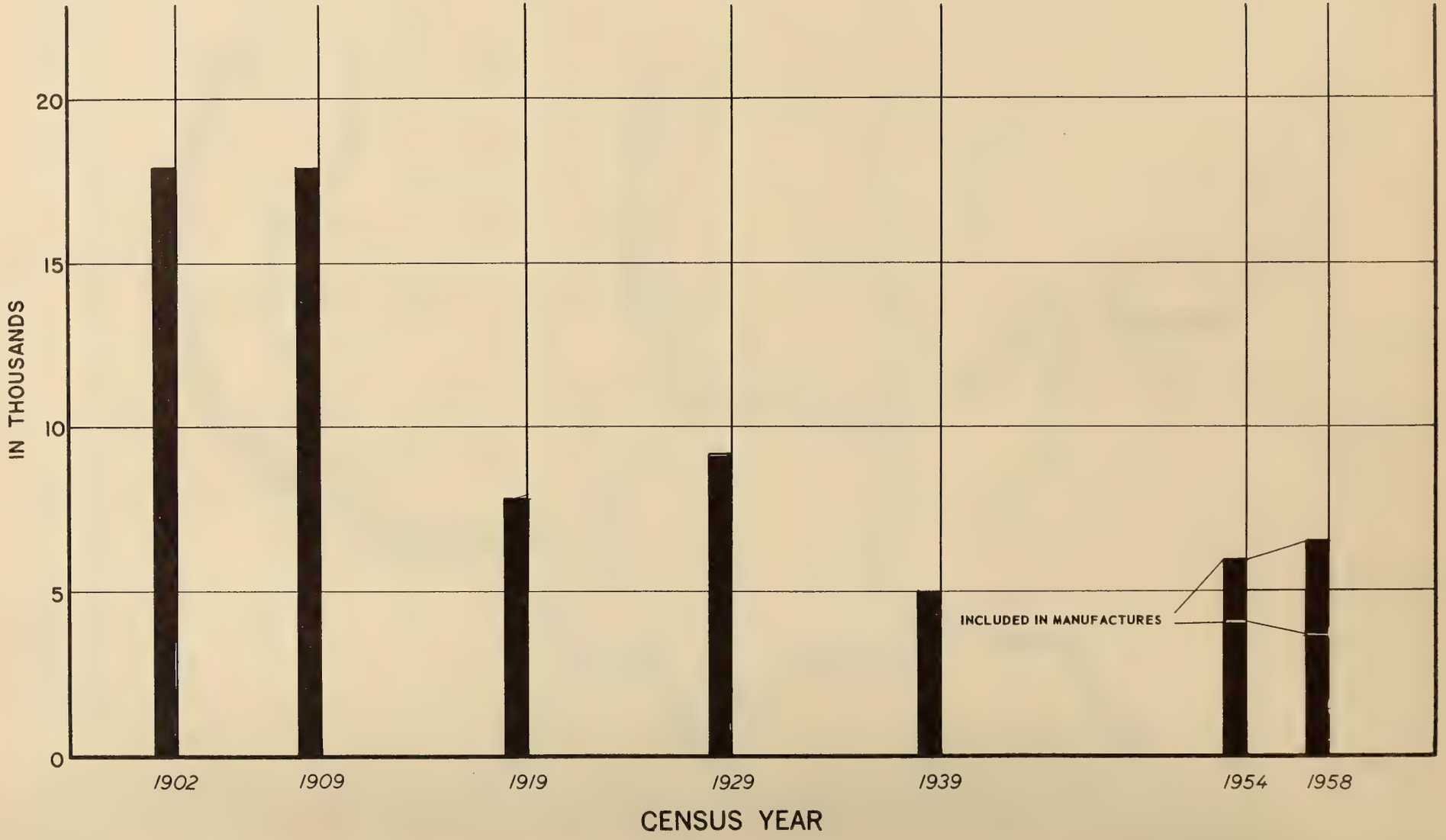
NEW ENGLAND

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EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEW ENGLAND



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

New England

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	344	39	3,616	17,477	2,745	5,744	11,760	32,301	11,496	122	1,392	2,693	44,034	3,970	711	259
1954	385	40	4,069	15,683	3,456	7,581	12,434	32,104	8,808	135	1,166	3,404	41,325	4,292	541	157
Including operations in manufactures:																
1958	443	58	6,521	29,670	5,230	10,852	21,527	53,958	[2]16,416	550	[2]1,603	[3]3,374	71,232	[3]4,669	[3]874	167
1954[4]	456	56	5,988	23,142	5,232	11,149	18,950	46,785	[2]11,861	454	[2]1,361	[3]3,715	59,559	[3]4,617	[3]638	122
1939[5]	[6]332	(NA)	4,944	6,603	4,272	8,659	4,863	14,415	3,362	(NA)	37	(NA)	17,814	(NA)	404	95
1929[7]	354	(NA)	9,187	14,553	8,384	(NA)	12,241	26,202	4,429	(NA)	64	1,411	30,695	(NA)	680	81
1919[8]	302	(NA)	7,837	9,251	7,213	(NA)	8,036	14,915	3,620	...	198	(NA)	18,733	(NA)	[9]435	60
1909[8]	519	(NA)	17,959	10,747	17,136	(NA)	9,848	14,559	2,658	...	111	(NA)	17,328	(NA)	(NA)	(NA)
1902[10]	[6]746	(NA)	18,041	11,111	[11]16,741	(NA)	9,974	14,838	2,770	(NA)	2	(NA)	17,610	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for the cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations, and for one dimension granite mining operation, in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. Excludes data for one nonproducing operation in Maine.

[6]Represents number of mines and quarries.

[7]Excludes data for common clay and shale and peat operations. There were 27 such mines in 1939; the value of products of 24 of these mines was $142 thousand.

[8]Excludes data for sand and gravel operations and stone quarries operated as parts of cement and lime establishments. There were 53 such establishments in 1929; the value of products of 51 of these establishments was $3,299 thousand. For 1919, excludes data for two nonproducing establishments. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to about 8 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand, gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $1,490 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

New England

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	443	58	6,521	29,670	5,230	10,852	21,527	53,958	[2]21,943	[3]71,232	[4]4,669	5,988	46,785
	Mineral industries	344	39	[5]3,616	[5]17,477	2,745	5,744	11,760	32,301	15,703	44,034	3,970	[6]4,069	32,104
	Included in manufactures	99	19	[3]2,905	[3]12,193	[3]2,485	5,108	9,767	21,657	[2]6,240	[3]27,198	[4]699	[3]1,919	14,681
10	Metal mining	4	1	33	185	31	61	174	440	76	516	...	269	1,697
	Nonmetallic minerals mining	439	57	6,200	27,281	5,199	10,791	21,353	53,518	[2]21,867	[3]70,716	[4]4,669	[6]5,719	45,088
14	Mineral industries	340	38	3,295	15,088	2,714	5,683	11,586	31,861	15,627	43,518	3,970	[6]3,800	30,407
	Included in manufactures	99	19	[3]2,905	[3]12,193	[3]2,485	5,108	9,767	21,657	[2]6,240	[3]27,198	[4]699	[3]1,919	14,681
	Dimension stone	54	18	2,831	11,771	2,393	4,914	9,236	14,924	5,749	19,872	801	2,268	12,806
1411	Mineral industry	17	1	204	803	186	362	694	1,037	380	1,315	102	2,268	12,806
	Included in manufactures	37	17	2,627	10,968	2,207	4,552	8,542	13,887	5,369	18,557	699		
	Dimension granite	27	12	1,225	5,927	1,074	2,139	4,709	8,801	3,098	11,621	278	1,535	9,624
	Mineral subindustry	10	1	156	658	143	278	563	918	329	1,179	68	199	1,094
	Included in manufactures	17	11	1,069	5,269	931	1,861	4,146	7,883	2,769	10,442	210	1,336	8,530
	Dimension stone, nec	27	6	1,606	5,844	1,319	2,775	4,527	6,123	2,651	8,251	523	733	3,182
	Included in manufactures	20	6	1,558	5,699	1,276	2,691	4,396	6,004	2,600	8,115	489	(NA)	(NA)
	Crushed and broken stone	60	20	1,210	6,106	1,021	2,303	4,880	14,872	[2]6,551	[3]20,408	(NA)	(NA)	(NA)
1421	Mineral industry	53	19	1,094	5,574	905	2,071	4,348	11,022	6,113	16,120	1,015	(NA)	(NA)
	Included in manufactures	7	1	[3]116	[3]532	[3]116	232	532	3,850	[2]438	[3]4,288	(NA)	(NA)	(NA)
	Crushed and broken limestone (Mineral subindustry only)	12	4	224	883	192	458	724	1,392	917	2,061	248	130	735
	Sand and gravel	255	13	1,529	7,083	1,243	2,518	5,420	18,104	[2]7,186	[3]22,987	(NA)	(NA)	(NA)
1441	Mineral industry	222	12	1,402	6,531	1,116	2,265	4,868	14,762	6,821	19,280	2,303	1,437	12,318
	Included in manufactures	33	1	[3]127	[3]552	[3]127	253	552	3,342	[2]365	[3]3,707	(NA)	(NA)	(NA)
	Common sand and gravel (Mineral subindustry only)	215	11	1,365	6,381	1,082	2,189	4,735	14,367	6,704	18,783	2,288	(NA)	(NA)
	Clay and related minerals:													
1456	Feldspar	10	2	77	288	62	138	200	342	270	583	29	156	858
	Clay and related minerals, nec (Included in manufactures)	22	...	[3]35	[3]141	[3]35	71	141	578	[2]68	[3]646	(NA)	(NA)	(NA)
149	Miscellaneous minerals, nec	35	4	499	1,823	431	820	1,431	4,451	1,925	5,957	419	...	...

NA Not available.

[1]Excludes data for sand and gravel mining operations, and for one dimension granite mining operation, in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Includes data for separately reported central offices and related facilities in the Bituminous Coal Industry.

[6]Includes data for separately reported central offices and related facilities in the Oil and Gas Extraction Industries.

New England

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	15,703	11,496	122	1,392	2,693	3,970	131	3,839	xxx	xxx	xxx	xxx
10	Metal mining.....	76	66	...	10	...	...	...	...	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	15,627	11,430	122	1,382	2,693	3,970	131	3,839	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	6,113	4,988	...	324	801	1,015	4	1,011	7,763	15,426	[3]2,164	[3]5,387
1441	Sand and gravel.....	6,821	[4]4,542	(4)	798	1,481	2,303	7	2,296	17,037	[5]22,872	[3]4,037	([5])
	Common sand and gravel.....	6,704	[4]4,456	(4)	781	1,467	2,288	...	2,288	16,866	[5]22,438	[3]4,052	([5])
149	Miscellaneous minerals, nec.....	1,925	1,431	...	224	270	419	118	301	xxx	xxx	xxx	xxx

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Includes minerals produced and used in the same manufacturing establishment. The value of such minerals was estimated.

[4]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Figures for the value of shipments of primary products by establishments classified in other industries are included with those for the value of shipments of primary products by establishments classified in the specified industry. Includes the estimated value of minerals produced and used in the same manufacturing establishment.

New England

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	342	337	120	...	98	22	214	9	188	17	3	5
	Number of employees	[3]3,616	[4]3,303	417	...	376	41	2,832	166	2,442	224	(D)	25
	Value added in mining, $1,000	[4]32.301	[4]32,315	3,591	...	3,219	372	28,341	1,424	24,115	2,802	(D)	([5])
10	Metal mining:												
	Number of establishments	3	1	...	...	...	...	1	...	1	...	...	2
	Number of employees	[4]33	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	[4]440	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	339	336	120	...	98	22	213	9	187	17	3	3
	Number of employees	[4]3,295	(D)	417	...	376	41	(D)	166	(D)	224	27	(D)
	Value added in mining, $1,000	[4]31,861	(D)	3,591	...	3,219	372	(D)	1,424	(D)	2,802	54	(D)
1421	Crushed and broken stone:												
	Number of establishments	53	53	3	...	3	...	49	1	48	...	1	...
	Number of employees	1,094	1,094	11	...	11	...	(D)	(D)	1,044	...	(D)	...
	Value added in mining, $1,000	11,022	11,022	86	...	86	...	(D)	(D)	10,716	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	222	221	83	...	62	21	136	...	119	17	2	1
	Number of employees	1,402	(D)	(D)	...	253	(D)	1,102	...	878	224	(D)	(D)
	Value added in mining, $1,000	14,762	(D)	(D)	...	2,565	(D)	11,847	...	9,045	2,802	(D)	(D)
	Common sand and gravel:												
	Number of establishments	215	214	82	...	61	21	131	...	114	17	2	1
	Number of employees	1,365	(D)	(D)	...	(D)	(D)	1,068	...	844	224	(D)	(D)
	Value added in mining, $1,000	14,367	(D)	(D)	...	(D)	(D)	11,486	...	8,684	2,802	(D)	(D)
149	Miscellaneous minerals, nec:												
	Number of establishments	35	34	11	...	11	...	23	7	16	...	...	1
	Number of employees	499	(D)	19	...	19	...	(D)	(D)	341	...	...	(D)
	Value added in mining, $1,000	4,451	(D)	140	...	140	...	(D)	(D)	3,164	...	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 20 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 13 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for employees at separately reported central offices and related facilities in the Bituminous Coal Industry. See also footnote 4.
[4]Includes data for mining services operations.
[5]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

New England

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

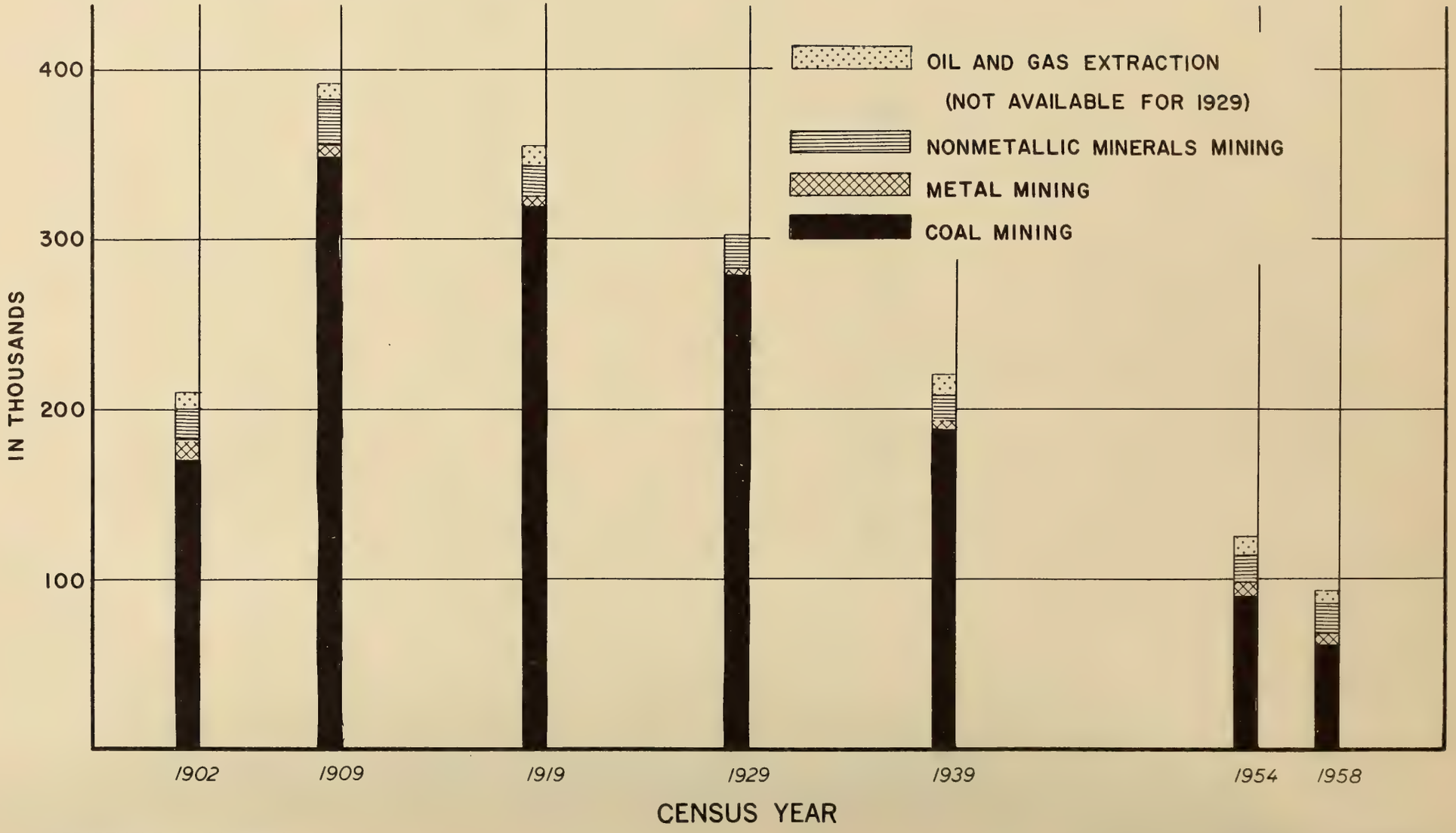
Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
New England, total..	443	344	99	...	3	...	...	...	...	1	...	...	...	...	...	...	17	37	53	7	222	33	11	22	1	1	35	...
No employees.....	39	31	8	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	19	3	3	5	...	...	7	...
1-4 employees.....	173	131	42	...	2	...	...	...	...	...	...	...	...	...	...	...	10	6	3	...	101	20	3	16	...	1	11	...
5-9 employees.....	94	81	13	...	1	...	...	...	...	...	...	...	...	...	...	...	1	5	14	3	55	4	2	1	1	...	7	...
10-19 employees...	79	62	17	...	...	...	...	...	...	...	...	...	...	...	...	...	4	9	16	3	35	5	1	...	...	...	6	...
20-49 employees...	39	31	8	...	...	...	...	...	...	1	...	...	...	...	...	...	...	7	13	...	12	1	2	...	...	...	3	...
50-99 employees...	12	5	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	5	1	...	...	...	...	...	...	...	...
100-249 employees.	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	1	...
250-499 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...

MIDDLE ATLANTIC

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MIDDLE ATLANTIC



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Middle Atlantic

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	4,500	636	87,398	418,758	72,795	124,374	324,407	733,341	208,131	164,191	81,853	65,188	1,160,015	92,689	14,926	205
1954	5,320	782	120,795	483,943	105,017	177,172	392,232	[2]767,158	189,381	[2]177,420	102,288	68,629	[2]1,229,313	75,539	19,300	184
Including operations in manufactures:																
All operations:																
1958	4,750	683	90,387	431,426	75,702	130,121	336,614	779,189	[3]216,227	164,236	[3]81,874	[4]65,407	1,213,971	[4]92,962	[4]14,958	198
1954[5]	5,541	842	124,321	497,033	108,461	184,141	404,916	[2]800,722	[3]198,416	[2]177,431	[3]102,367	[4]68,717	[2]1,271,938	[4]75,691	[4]19,360	178
1939[6]	[7]3,953	(NA)	219,481	297,502	203,871	317,732	259,280	428,317	83,386	(NA)	17,539	(NA)	529,242	(NA)	30,072	148
1919[8]	6,617	(NA)	353,656	495,393	334,285	(NA)	458,243	681,095	155,735	[9]8,202	8,859	(NA)	853,891	(NA)	[10]104,353	312
1909[8]	6,776	(NA)	389,688	219,258	377,037	(NA)	205,205	305,775	55,230	[9]3,165	6,572	(NA)	370,742	(NA)	(NA)	(NA)
1902[11]	[7]3873	(NA)	209,066	128,937	[12]198,781	(NA)	118,549	203,982	32,969	(NA)	5,996	(NA)	242,947	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	3,685	633	83,810	402,378	70,519	120,026	316,476	719,972	[3]201,502	162,774	[3]69,557	[4]61,082	1,137,262	[4]77,625	[4]12,980	184
1954[5]	4,129	786	114,032	457,140	100,313	168,006	377,011	[2]726,918	[3]181,001	[2]177,350	[3]79,495	[4]61,071	[2]1,171,218	[4]54,617	[4]16,956	169
1939[6]	[7]2,724	(NA)	208,692	281,431	194,857	301,213	247,814	376,747	78,310	(NA)	12,395	(NA)	467,452	(NA)	27,456	141
1929[13]	2,197	(NA)	301,203	457,186	286,562	(NA)	419,395	622,264	116,808	(NA)	7,738	18,334	746,810	(NA)	56,520	197
1919[8]	2,913	(NA)	341,742	481,121	324,351	(NA)	446,936	625,186	143,766	5,077	3,689	(NA)	777,718	(NA)	[10]101,022	311
1909[8]	3,022	(NA)	381,502	213,584	369,949	(NA)	200,823	276,609	49,369	28	2,870	(NA)	328,876	(NA)	(NA)	(NA)
1902[14]	[7]3,689	(NA)	199,399	121,566	[12]190,527	(NA)	112,792	184,077	26,445	(NA)	930	(NA)	211,452	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry. For minerals received for preparation at natural gas liquids plants, excludes the cost of natural gas processed, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. For New Jersey in 1958, also excludes data for dimension stone operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. Except for number of establishments, excludes data for nonproducing operations in New Jersey as follows: One iron ore mine and one trap rock quarry and crushing plant. For "Excluding oil and gas extraction industries," includes data for one nonproducing crude petroleum and natural gas establishment in Pennsylvania.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand and gravel mining operations and for stone quarries operated as parts of cement and lime establishments. There were 141 such sand and gravel establishment in 1929, with products valued at $26,003 thousand and 46 such stone operations at 46 establishments (the value of quarry products at 44 of these establishments was $6,531 thousand.) See also footnote 13. For "Excluding oil and gas extraction industries" in 1909, except for number of establishments, includes data for 2 nonproducing oil and gas extraction operations.

[9]Includes natural gas purchased for resale.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to 2 percent.

[11]Excludes data for sand, gravel, common clay, and shale mining operations and, except for 2 operations in New Jersey, for crushed and broken stone quarries operated as parts of cement establishments. Includes data for lime plants producing lime valued at $2,114 thousand and for 2 cement plants in New Jersey.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for common clay and shale mining operations. In 1939, there were 105 such mines with products valued at $1,182 thousand.

[14]Includes data for nonproducing oil and gas extraction operations in Pennsylvania. See also footnote 11.

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Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	4,750	683	90,387	431,426	75,702	130,121	336,614	779,189	[2]527,744	[3]1,213,971	[4]92,962	124,321	[5]800,722
	Mineral industries	4,500	636	87,398	418,758	72,795	124,374	324,407	733,341	519,363	1,160,015	92,689	120,795	[5]767,158
	Included in manufactures	250	47	[3]2,989	[3]12,668	[3]2,907	5,747	12,207	45,848	[2]8,381	[3]53,956	[4]273	[3]3,526	33,564
10	Metal mining	25	19	6,166	33,669	4,159	7,819	21,553	51,903	34,063	79,401	6,565	7,417	[5]47,357
1011	Iron ores	12	10	3,497	19,933	2,987	5,610	16,174	33,242	19,306	46,851	5,697	3,903	28,512
106	Ferroalloy ores	4	2	390	2,130	242	460	1,077	8,104	10,352	18,456	...	(NA)	(NA)
11	Anthracite mining	1,248	159	22,813	93,396	20,047	30,867	79,425	164,489	177,230	325,128	16,591	37,462	196,835
1111	Anthracite	1,163	117	19,712	79,473	17,266	26,409	67,449	142,198	160,948	290,342	12,804	32,769	167,090
1112	Anthracite stripping services	79	42	3,054	13,717	2,737	4,395	11,780	22,027	16,121	34,463	3,685	4,556	29,079
1113	Anthracite mining services, nec	6	...	47	206	44	63	196	264	161	323	102	137	666
12	Bituminous coal mining	1,373	233	37,438	186,121	32,264	52,239	150,420	291,778	199,271	457,632	33,417	51,219	300,452
1211	Bituminous coal	1,312	226	36,873	183,486	31,747	51,153	148,109	286,384	195,519	450,022	31,881	50,497	294,970
1213	Coal stripping services, nec	56	5	447	2,028	409	827	1,805	4,485	3,237	6,324	1,398	722	5,482
1214	Coal mining services, nec	5	2	118	607	108	259	506	909	515	1,286	138		
13	Oil and gas extraction	1,065	50	6,577	29,048	5,183	10,095	20,138	59,217	32,829	76,709	15,337	10,289	73,780
1311	Crude petroleum and natural gas	870	34	5,191	22,689	3,940	7,449	14,739	45,906	25,299	57,222	13,983	7,707	55,139
	Crude petroleum	668	20	3,624	16,138	2,644	4,960	9,662	27,655	8,982	33,902	2,735	5,444	20,314
	Natural gas	202	14	1,567	6,551	1,296	2,489	5,077	18,251	16,317	23,320	11,248	2,263	34,825
138	Oil and gas field services	188	16	1,369	6,290	1,226	2,613	5,332	13,104	5,891	17,787	1,208	2,545	18,469
1381	Drilling oil and gas wells	106	14	1,062	5,090	967	2,094	4,436	11,168	5,106	15,239	1,035	1,092	7,893
	Nonmetallic minerals mining	1,039	222	17,393	89,192	14,049	29,101	65,078	211,802	[2]84,351	[3]275,101	[4]21,052	17,934	182,298
14	Mineral industries	789	175	14,404	76,524	11,142	23,354	52,871	165,954	75,970	221,145	20,779	14,408	148,734
	Included in manufactures	250	47	[3]2,989	[3]12,668	[3]2,907	5,747	12,207	45,848	[2]8,381	[3]53,956	[4]273	[3]3,526	33,564
	Dimension stone	108	16	1,091	3,802	987	1,874	3,246	6,002	2,001	7,614	389	1,248	5,827
	Dimension limestone	14	...	42	134	39	70	120	293	155	412	36	55	298
	Dimension granite	8	...	33	130	32	62	127	288	78	357	9	94	535
	Dimension stone, nec	86	16	1,016	3,538	916	1,742	2,999	5,421	1,768	6,845	344	1,099	4,994
	Mineral subindustry	46	2	216	680	198	366	602	1,221	266	1,392	95	167	725
	Included in manufactures	40	14	800	2,858	718	1,376	2,397	4,200	1,502	5,453	249	932	4,269
	Crushed and broken stone	300	131	8,793	44,526	7,262	15,205	34,201	113,940	[2]50,771	[3]151,717	(NA)	9,283	92,719
1421	Mineral industry	253	108	7,561	38,904	6,030	12,741	28,579	89,266	46,505	122,777	12,994	7,663	92,719
	Included in manufactures	47	23	[3]1,232	[3]5,622	[3]1,232	2,464	5,622	24,674	[2]4,266	[3]28,940	(NA)	[3]1,620	
	Crushed and broken limestone (mineral subindustry only)	178	76	5,564	28,216	4,441	9,464	20,848	62,020	34,657	86,572	10,105	5,303	46,241
	Sand and gravel	426	50	4,541	23,245	3,665	7,613	17,307	56,811	[2]21,726	[3]73,639	(NA)	(NA)	(NA)
1441	Mineral industry	381	47	4,257	22,157	3,381	7,045	16,219	50,046	21,070	66,218	4,898	4,389	53,224
	Included in manufactures	45	3	[3]284	[3]1,088	[3]284	568	1,088	6,765	[2]656	[3]7,421	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	340	37	3,318	18,004	2,617	5,628	13,237	41,501	16,379	53,676	4,204	3,689	46,727
	Glass sand	6	3	356	1,664	292	589	1,314	3,580	2,400	5,851	129	700	6,497
	Molding sand	35	7	583	2,489	472	828	1,668	4,965	2,291	6,691	565		
145	Clay and related minerals, nec.													
	Fire clay	72	8	646	2,675	576	1,062	2,331	6,622	[2]2,719	[3]8,244	(NA)	1,032	8,249
1453	Mineral industry	46	7	457	1,926	387	683	1,582	3,603	2,120	4,626	1,097	721	5,165
	Included in manufactures	26	1	[3]189	[3]749	[3]189	379	749	3,019	[2]599	[3]3,618	(NA)	[3]311	3,084
	Clay and related mineral, nec	92	5	361	1,782	348	705	1,671	5,135	[2]1,460	[3]6,372	(NA)	(NA)	(NA)
1459	Mineral industry	12	2	99	526	86	182	415	709	830	1,316	223	(NA)	(NA)
	Included in manufactures	80	3	[3]262	[3]1,256	[3]262	523	1,256	4,426	[2]630	[3]5,056	(NA)	(NA)	(NA)
	Miscellaneous minerals, nec	30	8	[3]808	[3]4,317	[3]704	1,421	3,559	9,525	[2]3,025	[3]11,820	[4]730	(NA)	(NA)
	Gypsum	5	4	[2]242	[3]1,254	[3]239	475	1,231	2,857	[2]903	[3]3,472	(NA)	(NA)	(NA)
1498	Peat	14	1	78	272	67	104	186	514	180	546	148	63	306

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees or such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations in making manufactured products.

[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

Middle Atlantic

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
										By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	519,363	208,131	164,191	81,853	65,188	92,689	17,483	75,206	xxx	xxx	xxx	xxx
10	Metal mining.....	34,063	17,829	(D)	(D)	2,840	6,565	(D)	(D)	xxx	xxx	xxx	xxx
101	Iron ores.....	19,306	12,425	547	3,683	2,651	5,697	2,711	2,986	(D)	(D)	(D)	(D)
106	Ferroalloy ores.....	10,352	1,195	(D)	(D)	...	...	...	...	xxx	xxx	xxx	xxx
11	Anthracite mining.....	177,230	41,317	85,375	40,505	10,033	16,591	3,818	12,773	xxx	xxx	xxx	xxx
1111	Anthracite.....	160,948	29,937	85,375	39,319	6,317	12,804	3,818	8,986	22,341	196,425	...	...
1112	Anthracite stripping services..	16,121	11,320	...	1,186	3,615	3,685	...	3,685	xxx	[3]33,305	xxx	([3])
12	Bituminous coal mining.....	199,271	79,827	67,289	20,000	32,155	33,417	1,885	31,532	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	195,519	77,732	67,289	19,703	30,795	31,881	1,885	29,996	69,537	380,078	80	296
1213	Coal stripping services, nec...	3,237	1,738	...	258	1,241	1,398	...	1,398	xxx	[3]6,176	xxx	([3])
13	Oil and gas extraction.....	32,829	14,725	1,462	12,317	4,325	15,337	7,490	7,847	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	25,299	10,779	...	11,941	2,579	13,983	7,371	6,612	xxx	56,687	xxx	818
	Crude petroleum.....	8,982	5,476	...	2,880	626	2,735	1,043	1,692	[4]8,121	33,136	[4]50	198
	Natural gas.....	16,317	5,303	...	9,061	1,953	11,248	6,328	4,920	[5]79,892	22,957	[5]4,535	1,214
138	Oil and gas field services.....	5,891	3,895	...	373	1,623	1,208	119	1,089	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	5,106	3,319	...	315	1,472	1,035	117	918	xxx	[3]13,271	xxx	([3])
14	Nonmetallic minerals mining.....	75,970	54,433	(D)	(D)	15,835	20,779	(D)	(D)	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	46,505	34,434	137	3,400	8,534	12,994	837	12,157	58,281	113,774	[6]19,541	[6]33,518
	Crushed and broken limestone.	34,657	25,220	73	2,502	6,862	10,105	744	9,361	44,420	78,785	[6]18,911	[6]33,183
1441	Sand and gravel.....	21,070	14,161	162	1,511	5,236	4,898	199	4,699	46,501	[7]70,900	[6]5,867	([7])
	Common sand and gravel.....	16,379	10,716	85	1,257	4,321	4,204	183	4,021	42,512	[7]59,058	[6]5,976	([7])
	Glass sand and Molding sand..	4,691	3,445	77	254	915	694	16	678	(NA)	[7]11,842	(NA)	([7])

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[4]Represent thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[7]Figures for the value of primary products shipped in other industries or subindustries are included with those for the value of primary products shipped in the specified industry. See also footnote 6.

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Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	4,158	4,096	2,935	1,430	536	969	1,013	214	673	126	148	62
	Number of employees	[3]82,255	[4]80,256	23,614	(D)	3,393	(D)	(D)	(D)	15,700	11,589	(D)	253
	Value added in mining, $1,000	[4]291,002	[4]691,138	197,574	(D)	44,074	(D)	(D)	(D)	176,133	78,002	(D)	([5])
10	Metal mining:												
	Number of establishments	22	21	1	1	...	...	14	10	2	2	6	1
	Number of employees	[3]6,010	(D)	(D)	(D)	...	...	(D)	3,174	(D)	(D)	(D)	(D)
	Value added in mining, $1,000	[4]50,649	(D)	(D)	(D)	...	...	(D)	22,618	(D)	(D)	(D)	(D)
1011	Iron ores:												
	Number of establishments	12	12	1	1	...	...	9	6	1	2	2	...
	Number of employees	3,497	3,497	(D)	(D)	...	...	(D)	2,382	(D)	(D)	(D)	...
	Value added in mining, $1,000	33,242	33,242	(D)	(D)	...	...	(D)	19,182	(D)	(D)	(D)	...
106	Ferroalloy ores:												
	Number of establishments	4	4	...	...	...	...	...	...	...	...	4	...
	Number of employees	390	390	...	...	...	...	...	...	...	...	390	...
	Value added in mining, $1,000	8,104	8,104	...	...	...	...	...	...	...	...	8,104	...
1111	Anthracite mining:												
	Number of establishments	1,163	1,154	966	829	77	60	91	17	11	63	97	9
	Number of employees	19,712	19,703	7,301	5,505	954	842	10,019	573	752	8,694	2,383	9
	Value added in mining, $1,000	142,198	142,348	60,696	33,962	18,320	8,414	63,758	3,196	4,786	55,776	17,894	([5])
1211	Bituminous coal mining:												
	Number of establishments	1,312	1,303	914	589	288	37	356	178	149	29	33	9
	Number of employees	36,873	36,786	10,311	8,246	1,746	319	25,854	21,026	3,100	1,728	621	87
	Value added in mining, $1,000	286,384	286,025	81,626	59,296	19,092	3,238	198,361	157,933	28,204	12,224	6,038	359
13	Oil and gas extraction:												
	Number of establishments	877	845	838	...	...	838	...	...	...	...	7	32
	Number of employees	5,208	5,106	5,089	...	...	5,089	...	...	...	...	17	102
	Value added in mining, $1,000	46,113	46,507	46,300	...	...	46,300	...	...	...	...	207	([5])
14	Nonmetallic minerals mining:												
	Number of establishments	784	773	216	11	171	34	552	9	511	32	5	11
	Number of employees	[3]14,370	(D)	(D)	143	693	(D)	12,593	(D)	(D)	(D)	270	(D)
	Value added in mining, $1,000	165,658	(D)	(D)	870	6,662	(D)	152,423	(D)	(D)	(D)	4,308	(D)
1421	Crushed and broken stone:												
	Number of establishments	253	250	9	...	9	...	240	3	235	2	1	3
	Number of employees	[3]7,561	7,472	(D)	...	(D)	...	(D)	(D)	7,124	(D)	(D)	6
	Value added in mining, $1,000	89,266	89,266	(D)	...	(D)	...	(D)	(D)	86,544	(D)	(D)	...
	Crushed and broken limestone:												
	Number of establishments	178	177	8	...	8	...	168	3	163	2	1	1
	Number of employees	5,564	(D)	(D)	...	(D)	...	5,438	(D)	5,216	(D)	(D)	(D)
	Value added in mining, $1,000	62,020	(D)	(D)	...	(D)	...	60,990	(D)	59,323	(D)	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	381	378	108	...	76	32	267	...	237	30	3	3
	Number of employees	[3]4,257	4,181	(D)	...	231	(D)	3,677	...	3,003	674	(D)	15
	Value added in mining, $1,000	50,046	50,062	(D)	...	2,657	(D)	42,417	...	34,840	7,577	(D)	([5])

See footnotes at end of table.

Middle Atlantic

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958—Continued

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	Nonmetallic minerals mining—Con.												
	Sand and gravel—Con.												
	Common sand and gravel:												
	Number of establishments	340	337	102	...	70	32	233	...	203	30	2	3
	Number of employees	3,318	3,303	(D)	...	(D)	(D)	2,858	...	2,184	674	(D)	15
	Value added in mining, $1,000	41,501	41,517	(D)	...	(D)	(D)	34,782	...	27,205	7,577	(D)	([5])
	Glass sand:												
	Number of establishments	6	6	...	...	...	...	5	...	5	...	1	...
	Number of employees	356	356	...	...	...	...	(D)	...	(D)	...	(D)	...
	Value added in mining, $1,000	3,580	3,580	...	...	...	...	(D)	...	(D)	...	(D)	...
	Molding sand:												
	Number of establishments	35	35	6	...	6	...	29	...	29	...	...	...
	Number of employees	[3]583	583	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	4,965	4,965	(D)	...	(D)	...	(D)	...	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies. [1]Includes data for 32 sand and gravel establishments for which the method of mining was not specified. [2]Includes data for 16 sand and gravel establishments for which the method of mining was not specified. [3]Total includes, but detail by type of operation excludes, some employees at separately reported central offices and related facilities. For "All establishments" and "Metal mining", see also footnote 4. [4]Includes data for one metal mining services operation in New Jersey. [5]Not shown since the cost of supplies, purchases for resale, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
110 Anthracite
11C Anthractie mining services
120 Bituminous coal
12C Coal mining services, nec
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

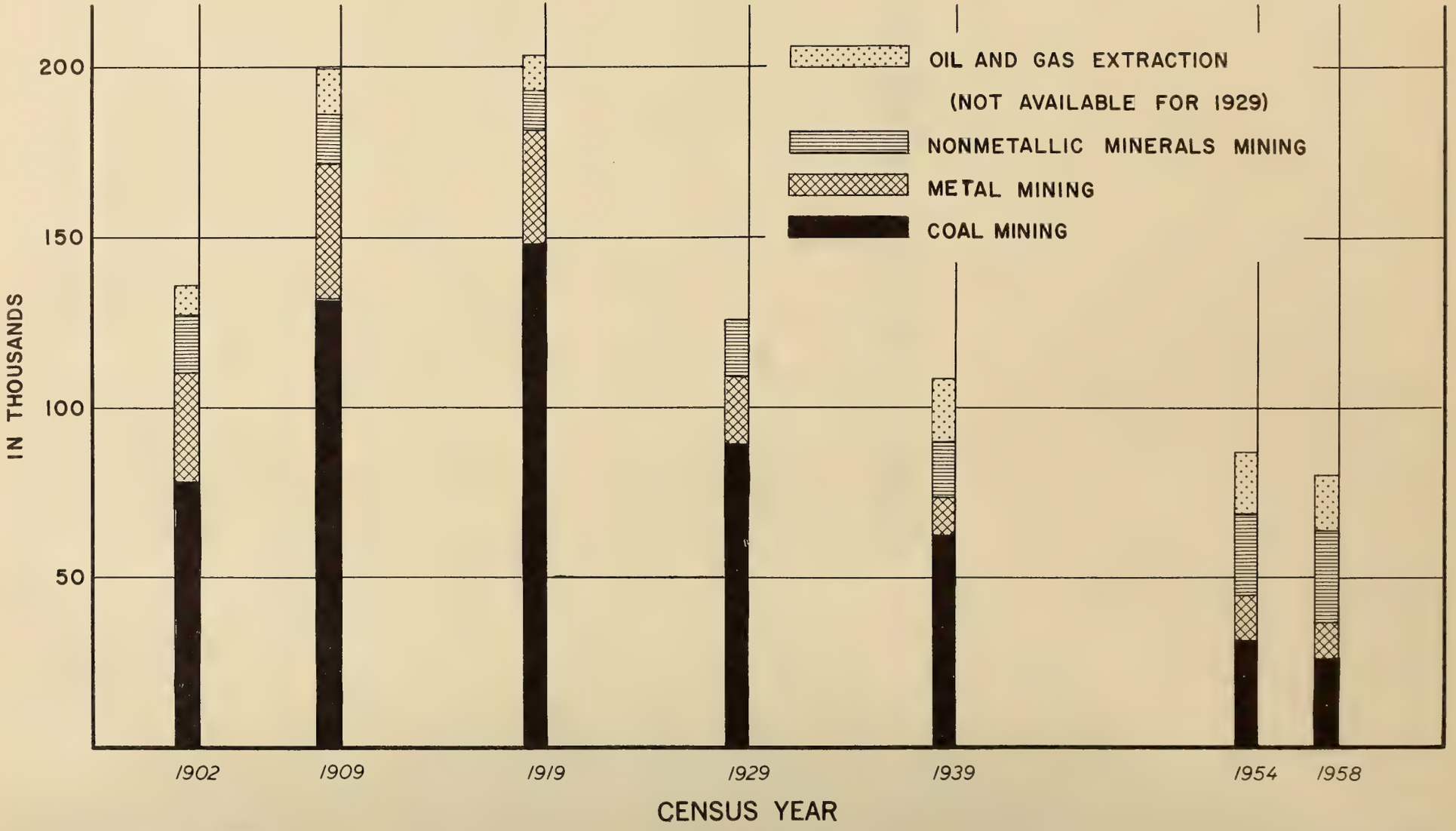
Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	106	108	109	110	11C	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Middle Atlantic	4,750	4,500	250	12	...	4	4	3	2	1,163	85	1,312	61	870	7	188	60	48	253	47	381	45	59	106	5	5	26	4
No employees	810	800	10	...	...	...	...	...	...	473	1	123	1	139	1	12	10	...	4	1	32	...	4	9	...	...	...	...
1-4 employees	2,041	1,912	129	...	...	...	...	1	1	343	16	553	25	589	3	122	35	22	34	9	149	33	24	65	...	2	15	...
5-9 employees	681	642	39	...	...	...	1	...	...	139	15	218	12	79	3	30	6	5	33	7	87	5	14	21	...	2	3	1
10-19 employees	535	510	25	2	...	...	1	...	...	91	11	192	16	29	...	8	7	7	74	7	66	4	8	7	2	...	3	...
20-49 employees	410	378	32	2	...	...	1	...	...	59	27	126	6	21	...	11	2	8	75	18	37	1	7	4	1	1	2	1
50-99 employees	111	97	14	1	...	1	...	1	...	19	7	28	...	6	...	4	...	6	23	4	5	2	2	...	...	...	...	2
100-249 employees	98	97	1	1	...	2	1	1	...	25	6	37	1	5	...	1	...	...	8	1	5	...	...	...	1	...	3	...
250-499 employees	38	38	...	3	...	1	...	...	1	8	2	19	...	1	...	...	...	...	2	...	...	...	...	...	1	...	...	...
500-999 employees	20	20	...	2	...	...	...	...	...	2	...	15	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000-2,499 employees	6	6	...	1	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

EAST NORTH CENTRAL

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

EAST NORTH CENTRAL



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

East North Central

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	4,313	659	74,732	385,398	60,937	114,357	292,921	936,363	245,385	130,043	66,048	73,860	1,324,808	126,891	18,184	298
1954	4,636	691	81,411	349,426	69,142	131,846	280,043	813,435	198,264	[2]60,623	81,106	99,520	1,094,500	158,448	16,318	236
Including operations in manufactures: All operations:																
1958	4,662	712	78,967	404,040	64,974	122,056	310,336	994,314	[3]256,869	130,069	[3]66,267	[4]74,453	1,394,462	[4]127,510	[4]18,317	282
1954[5]	4,912	743	86,251	367,576	73,815	141,163	297,258	853,641	[3]207,177	[2]60,659	[3]81,202	[4]100,208	1,143,779	[4]159,108	[4]16,597	225
1939[6]	[7]3,989	(NA)	107,980	142,184	98,084	161,491	119,026	316,939	56,604	(NA)	28,744	(NA)	402,287	(NA)	18,071	184
1919[8]	3,788	(NA)	203,031	265,590	190,533	(NA)	238,335	391,930	80,229	3,320	5,004	(NA)	480,483	(NA)	[9]47,956	252
1909[8]	4,406	(NA)	199,595	128,779	191,328	(NA)	119,249	189,479	36,089	5,657	6,308	(NA)	237,533	(NA)	(NA)	(NA)
1902[10]	[7]17,212	(NA)	135,637	89,819	[11]127,904	(NA)	82,089	142,014	26,304	(NA)	5,009	(NA)	173,327	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	2,730	566	62,647	329,867	52,433	99,202	260,422	688,790	[12]262,110	([12])	[3]25,329	[4]53,938	949,247	[4]80,920	[4]11,208	214
1954[5]	2,893	787	68,259	296,206	59,710	114,765	246,326	591,672	[12]214,597	([12])	[3]25,657	[4]67,512	809,638	[4]89,800	[4]10,156	170
1939[13]	[7]2,762	(NA)	89,527	113,482	82,867	134,366	97,367	190,268	49,603	(NA)	1,173	(NA)	241,044	(NA)	14,595	176
1929[14]	2,044	(NA)	127,970	179,352	120,944	(NA)	161,662	285,717	64,052	(NA)	693	15,990	350,462	(NA)	24,451	202
1919[15]	2,082	(NA)	192,969	252,484	182,255	(NA)	228,238	328,041	71,987	84	1,019	(NA)	401,131	(NA)	[9]45,464	249
1909[15]	2,229	(NA)	187,002	120,517	180,831	(NA)	112,650	157,369	27,333	245	844	(NA)	185,791	(NA)	(NA)	(NA)
1902[15]	[7]3,309	(NA)	127,130	83,387	[11]120,785	(NA)	77,097	118,905	17,496	(NA)	203	(NA)	136,604	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments and, in 1958, for dimension stone mining operations in manufactures in Michigan.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. In 1929, there were 297 such sand and gravel establishments, with products valued at $26,686 thousand, and 31 such stone operations (the value of products of 29 of these stone operations was $4,612 thousand). See also footnote 14.

[9]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 3 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, also to only 3 percent.

[10]Includes data for lime plants producing lime valued at $2,637 thousand and for 2 cement plants. Excludes data for sand and gravel and clay mining operations and stone quarries at 33 cement plants which produced cement valued at $4,904 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[13]Excludes data for 6 nonproducing establishments. See also footnote 6.

[14]Excludes data for common clay and shale operations. In 1939, there were 159 such mines with products valued at $2,137 thousand.

[15]Except for number of establishments, includes data for one oil and gas extraction operation in Michigan. Also, includes for 1919 data for 5 nonproducing oil and gas extraction operations in Ohio, and for 7 such operations in 1909. For 1919 and 1909, see also footnote 8. For 1902, see also footnote 10.

East North Central

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll	Number	Man-hours	Wages						
					($1,000)		(1,000)	($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	4,662	712	78,967	404,040	64,974	122,056	310,336	994,314	[2]527,658	[3]1,394,462	[4]127,510	86,251	853,641
	Mineral industries	4,313	659	74,732	385,398	60,937	114,357	292,921	936,363	515,336	1,324,808	126,891	81,411	813,435
	Included in manufactures	349	53	[3]4,235	[3]18,642	[3]4,037	7,699	17,415	57,951	[2] [6]12,322	[3]69,654	[4] [6]619	[3]4,840	40,206
10	Metal mining	59	41	10,026	52,693	8,097	14,008	40,867	87,682	58,541	128,274	17,949	12,506	85,935
102 103	Copper, lead, and zinc ores	20	10	2,807	12,169	2,252	4,699	10,638	17,664	22,229	37,899	1,994	(NA)	(NA)
12	Bituminous coal mining	626	202	25,301	143,411	21,651	38,322	116,869	284,145	159,818	414,498	29,465	30,902	259,486
1211	Bituminous coal	612	201	25,201	142,949	21,563	38,142	116,442	283,283	159,185	413,049	29,419	30,832	258,913
1213 1214	Coal stripping services, nec; Coal mining services, nec	14	1	100	462	88	180	427	862	633	1,449	46	70	573
13	Oil and gas extraction	1,932	156	16,320	74,173	12,541	22,854	49,914	305,524	186,281	445,215	46,590	17,992	261,969
1311	Crude petroleum and natural gas	1,388	98	11,318	54,896	8,043	14,569	32,985	256,394	94,850	308,553	42,691	12,380	207,760
	Crude petroleum	1,281	96	10,685	52,058	7,567	13,709	30,968	251,417	90,083	301,937	39,563	11,659	200,438
	Natural gas	107	2	633	2,838	476	860	2,017	4,977	4,767	6,616	3,128	721	7,322
138	Oil and gas field services:													
1381	Drilling oil and gas wells	369	42	3,719	14,225	3,342	6,046	12,367	27,270	17,152	40,836	3,586	3,962	36,191
	Nonmetallic minerals mining	2,045	313	27,320	133,763	22,685	46,872	102,686	316,963	[2]123,018	[3]406,475	[4]33,506	24,851	246,253
14	Mineral industries	1,696	260	23,085	115,121	18,648	39,173	85,271	259,012	110,696	336,821	32,887	20,011	206,047
	Included in manufactures	349	53	[3]4,235	[3]18,642	[3]4,037	7,699	17,415	57,951	[2] [6]12,322	[3]69,654	[4] [6]619	[3]4,840	40,206
	Dimension stone	96	25	2,573	10,446	2,309	4,146	8,751	15,947	4,753	19,707	993	4,208	18,551
	Dimension limestone	51	18	1,940	8,416	1,736	3,148	6,990	12,508	3,558	15,356	710	(NA)	(NA)
	Mineral subindustry	29	6	377	1,593	330	621	1,204	2,754	582	3,053	283	(NA)	(NA)
	Included in manufactures	22	12	1,563	6,823	1,406	2,527	5,786	9,754	2,976	12,303	427	(NA)	(NA)
	Dimension granite	11	3	153	461	132	225	386	718	253	932	39	(NA)	(NA)
	Dimension stone, nec	34	4	480	1,569	441	773	1,375	2,721	942	3,419	244	(NA)	(NA)
	Mineral subindustry	25	1	134	429	123	219	383	904	258	1,108	54	(NA)	(NA)
	Included in manufactures	9	3	346	1,140	318	554	992	1,817	684	2,311	190	(NA)	(NA)
	Crushed and broken stone	508	137	10,994	55,075	9,336	19,817	43,529	134,929	[2]56,512	[3]176,319	(NA)	12,816	110,453
1421	Mineral industry	472	119	10,066	50,539	8,408	17,961	38,993	114,249	52,335	151,462	15,122	[3]12,816	110,453
	Included in manufactures	36	18	[3]928	[3]4,536	[3]928	1,856	4,536	20,680	[2]4,177	[3]24,857	(NA)		
	Crushed and broken limestone (mineral subindustry only)	429	111	9,111	46,699	7,586	16,418	35,863	106,410	48,292	140,710	13,992	8,730	83,926
	Crushed and broken granite (mineral subindustry)	7	1	90	261	73	99	201	482	383	676	189	(NA)	(NA)
	Crushed and broken stone, nec (mineral subindustry only)	36	7	865	3,579	749	1,444	2,929	7,357	3,660	10,076	941	(NA)	(NA)
	Sand and gravel	1,116	116	10,042	48,445	8,292	17,404	38,037	127,460	[2]47,102	[3]160,105	(NA)	(NA)	(NA)
1441	Mineral industry	1,043	112	9,700	46,998	7,950	16,719	36,590	116,602	46,396	148,541	14,457	8,245	83,604
	Included in manufactures	73	4	[3]342	[3]1,447	[3]342	685	1,447	10,858	[2]706	[3]11,564	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	990	103	8,887	42,884	7,299	15,373	33,601	105,397	41,545	133,829	13,113	7,741	78,798
	Glass sand	6	3	368	2,032	298	644	1,472	6,018	2,960	7,973	1,005	504	4,806
	Molding sand	47	6	445	2,082	353	702	1,517	5,187	1,891	6,739	339		
	Clay and related minerals	251	19	1,317	6,091	1,240	2,505	5,571	15,634	[2]6,516	[3]20,918	(NA)	(NA)	(NA)
145	Mineral industries	53	10	512	2,422	435	894	1,902	5,712	3,537	8,017	1,232	(NA)	(NA)
	Included in manufactures	198	9	[3]805	[3]3,669	[3]805	1,611	3,669	9,922	[2]2,979	[3]12,901	(NA)	(NA)	(NA)
	Fire clay	101	11	650	3,092	599	1,157	2,726	7,428	[2]2,793	[3]9,782	(NA)	(NA)	(NA)
1453	Mineral industry	33	5	282	1,359	231	421	993	3,866	1,349	4,776	439	(NA)	(NA)
	Included in manufactures	68	6	[3]368	[3]1,733	[3]368	736	1,733	3,562	[2]1,444	[3]5,006	(NA)	(NA)	(NA)
	Clay and related minerals, nec	150	8	667	2,999	641	1,348	2,845	8,206	[2]3,723	[3]11,136	(NA)	687	6,046
1459	Mineral industry	20	5	230	1,063	204	473	909	1,846	2,188	3,241	793	87	753
	Included in manufactures	130	3	[3]437	[3]1,936	[3]437	875	1,936	6,360	[2]1,535	[3]7,895	(NA)	[3]600	5,293
147	Chemical and fertilizer minerals:													
1473	Flourspar	25	6	[5]830	[5]3,713	691	1,344	2,772	6,590	4,012	9,627	975	682	5,426
148	Nonmetallic minerals services	11	...	71	323	65	144	267	632	486	1,016	102	73	554

D Withheld to avoid disclosing figures for individual companies. NA Not available. [1]Excludes data for sand and gravel mining operations in manufacturing establishments. [2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed. [3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts includes the estimated value of minerals produced and used in the same establishment at such operations. [4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. [5]Includes figures for employees at separately reported central offices and related facilities in Missouri. [6]Excludes data for dimension stone mining operations in manufactures in Michigan.

East North Central

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	515,336	245,385	130,043	66,048	73,860	126,891	25,786	101,105	xxx	xxx	xxx	xxx
10	Metal mining.....	58,541	[3]44,207	([3])	10,732	3,602	17,949	4,832	13,117	xxx	xxx	xxx	xxx
102 103	Copper, lead, and zinc ores....	22,229	[3]20,401	([3])	1,202	626	1,994	398	1,596	[4]7,018	(D)	(NA)	...
12	Bituminous coal mining.....	159,818	85,042	40,087	6,544	28,145	29,465	1,629	27,836	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	159,185	84,608	40,087	6,413	28,077	29,419	1,629	27,790	93,288	373,169	50	139
13	Oil and gas extraction.....	186,281	[3]124,861	([3])	40,905	20,515	46,590	18,205	28,385	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	94,850	38,206	xxx	39,009	17,635	42,691	17,365	25,326	xxx	304,189	xxx	3,451
	Crude petroleum.....	90,083	36,341	xxx	36,819	16,923	39,563	15,960	23,603	[5]98,634	293,743	[5]1,323	3,681
	Natural gas.....	4,767	1,865	xxx	2,190	712	3,128	1,405	1,723	[6]24,052	6,102	[6]21,213	4,114
138	Oil and gas field services:												
1381	Drilling oil and gas wells...	17,152	12,770	xxx	1,756	2,626	3,586	840	2,746	xxx	[7]39,356	xxx	([7])
14	Nonmetallic minerals mining.....	110,696	[3]81,231	([3])	7,867	21,598	32,887	1,120	31,767	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	52,335	39,407	888	2,370	9,670	15,122	421	14,701	104,242	142,040	[8]17,765	[8]25,244
	Crushed and broken limestone.	48,292	36,691	888	2,153	8,560	13,992	405	13,587	99,683	132,541	[9]17,687	[8]20,182
	Crushed and broken stone, nec	3,660	2,507	...	216	937	941	11	930	3,015	8,403	(NA)	(NA)
1441	Sand and gravel.....	46,396	31,769	152	4,404	10,071	14,457	276	14,181	131,027	[7 8]148,907	[8]9,283	([7])
	Common sand and gravel.....	41,545	28,007	152	4,113	9,273	13,113	270	12,843	125,063	[7 8]136,103	[8]9,909	([7])
	Glass sand.....	2,960	2,421	...	110	429	1,005	...	1,005	1,363	[7]5,189	434	([7])
	Molding sand.....	1,891	1,341	...	181	369	339	6	333	2,904	[7]7,615	637	([7])
145	Clay and related minerals.....	3,537	2,331	150	377	679	1,232	11	1,221	xxx	xxx	xxx	xxx
1473	Fluorspar.....	4,012	[3]3,052	([3])	527	433	975	391	584	150	7,675	([10])	5

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation are included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents crude ore mined in the specified industries.

[5]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[6]Represents millions of cubic feet of natural gas shipped.

[7]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[8]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[9]Includes less than 40,000 tons of stone, other than limestone, used in the manufacture of cement. See also footnote 8.

[10]Less than 500 tons.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	3,751	3,644	1,989	200	364	1,425	1,615	134	1,348	133	40	107
	Number of employees	[3]69,645	69,387	24,189	8,822	3,492	11,875	43,838	(D)	[4]25,412	(D)	1,360	238
	Value added in mining, $1,000	899,223	899,975	398,929	82,002	50,154	266,773	481,723	(D)	[4]318,483	(D)	19,323	(5)
10	Metal Mining:												
	Number of establishments	57	44	30	28	2	...	7	4	3	...	7	13
	Number of employees	(D)	(D)	(D)	6,924	(D)	...	(D)	(D)	(D)	...	438	108
	Value added in mining, $1,000	(D)	(D)	(D)	67,654	(D)	...	(D)	(D)	(D)	...	538	734
102 & 103	Copper, lead, and zinc ores:												
	Number of establishments	20	13	6	6	...	...	3	2	1	...	4	7
	Number of employees	2,807	2,781	(D)	(D)	...	...	(D)	(D)	(D)	...	(D)	26
	Value added in mining, $1,000	17,664	17,708	(D)	(D)	...	...	(D)	(D)	(D)	...	(D)	(5)
12	Bituminous coal mining:												
	Number of establishments	612	604	316	158	138	20	274	117	137	20	14	8
	Number of employees	25,201	25,164	4,000	[6]1,816	1,807	[6]377	[7]20,713	[7]12,788	6,810	1,115	[7]451	37
	Value added in mining, $1,000	283,283	283,593	53,268	[6]13,512	33,496	[6]6,260	[7]228,206	[7]109,525	106,224	12,457	[7]2,119	(5)
13	Oil and gas extraction:												
	Number of establishments	1,397	1,335	1,326	...	...	1,326	...	...	...	...	9	62
	Number of employees	(D)	(D)	11,271	...	...	11,271	...	...	...	...	(D)	47
	Value added in mining, $1,000	(D)	(D)	257,484	...	...	257,484	...	...	...	...	(D)	(5)
131	Crude petroleum and natural gas:												
	Number of establishments	1,388	1,326	1,326	...	...	1,326	...	...	...	...	...	62
	Number of employees	11,318	11,271	11,271	...	...	11,271	...	...	...	...	...	47
	Value added in mining, $1,000	256,394	257,484	257,484	...	...	257,484	...	...	...	...	...	(5)
132	Natural gas liquids:												
	Number of establishments	9	9	...	...	...	...	...	...	...	...	9	...
	Number of employees	(D)	(D)	...	...	...	...	...	...	...	...	(D)	...
	Value added in mining, $1,000	(D)	(D)	...	...	...	...	...	...	...	...	(D)	...
14	Nonmetallic minerals mining:												
	Number of establishments	1,685	1,661	317	14	224	79	1,334	13	1,208	113	10	24
	Number of employees	23,014	22,938	(D)	80	(D)	(D)	20,770	(D)	17,544	(D)	(D)	76
	Value added in mining, $1,000	258,380	258,466	(D)	1,031	(D)	(D)	235,381	(D)	198,908	(D)	(D)	(5)
142	Crushed and broken stone:												
	Number of establishments	472	469	10	4	6	...	450	6	444	...	9	3
	Number of employees	10,066	10,052	43	(D)	(D)	...	9,957	(D)	(D)	...	52	14
	Value added in mining, $1,000	114,249	114,275	298	(D)	(D)	...	113,366	(D)	(D)	...	611	(5)
	Crushed and broken limestone:												
	Number of establishments	429	426	6	2	4	...	413	5	408	...	7	3
	Number of employees	9,111	9,097	(D)	(D)	(D)	...	(D)	(D)	8,219	...	(D)	14
	Value added in mining, $1,000	106,410	106,436	(D)	(D)	(D)	...	(D)	(D)	96,687	...	(D)	(5)
	Crushed and broken stone, nec:												
	Number of establishments	36	36	4	2	2	...	31	1	30	...	1	...
	Number of employees	865	865	(D)	(D)	(D)	...	(D)	(D)	841	...	(D)	...
	Value added in mining, $1,000	7,357	7,357	(D)	(D)	(D)	...	(D)	(D)	7,214	...	(D)	...

See footnotes at end of table.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958—Continued

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	Nonmetallic minerals mining--Con.												
1441	Sand and gravel:												
	Number of establishments	1,043	1,032	205	...	132	73	827	...	729	98	...	11
	Number of employees	9,700	(D)	(D)	...	(D)	161	(D)	...	(D)	(D)	...	(D)
	Value added in mining, $1,000	116,602	(D)	(D)	...	(D)	2,809	(D)	...	(D)	(D)	...	(D)
145	Clay and related minerals:												
	Number of establishments	53	53	35	5	29	1	18	...	18	...	...	...
	Number of employees	512	512	148	(D)	127	(D)	364	...	364	...	...	...
	Value added in mining, $1,000	5,712	5,712	1,617	(D)	1,349	(D)	4,095	...	4,095	...	...	...
1473	Fluorspar:												
	Number of establishments	25	19	10	5	5	...	8	6	2	...	1	6
	Number of employees	(D)	(D)	81	66	15	...	(D)	713	(D)	...	(D)	12
	Value added in mining, $1,000	6,590	6,617	778	673	105	...	(D)	5,645	(D)	...	(D)	([5])

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 80 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 42 sand and gravel establishments for which the method of mining was not specified.
[3]Includes figures for separately reported central offices and related facilities which were not distributed by type of operation.
[4]Figures for 2 underground stone quarries are included with those for open-pit mines.
[5]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeds capital expenditures.
[6]Figures for one mine with other methods in Illinois are included with those for underground mines.
[7]Figures for 4 separately operated preparation plants in Indiana and Illinois are included with those for underground mines with preparation plants.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

East North Central

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

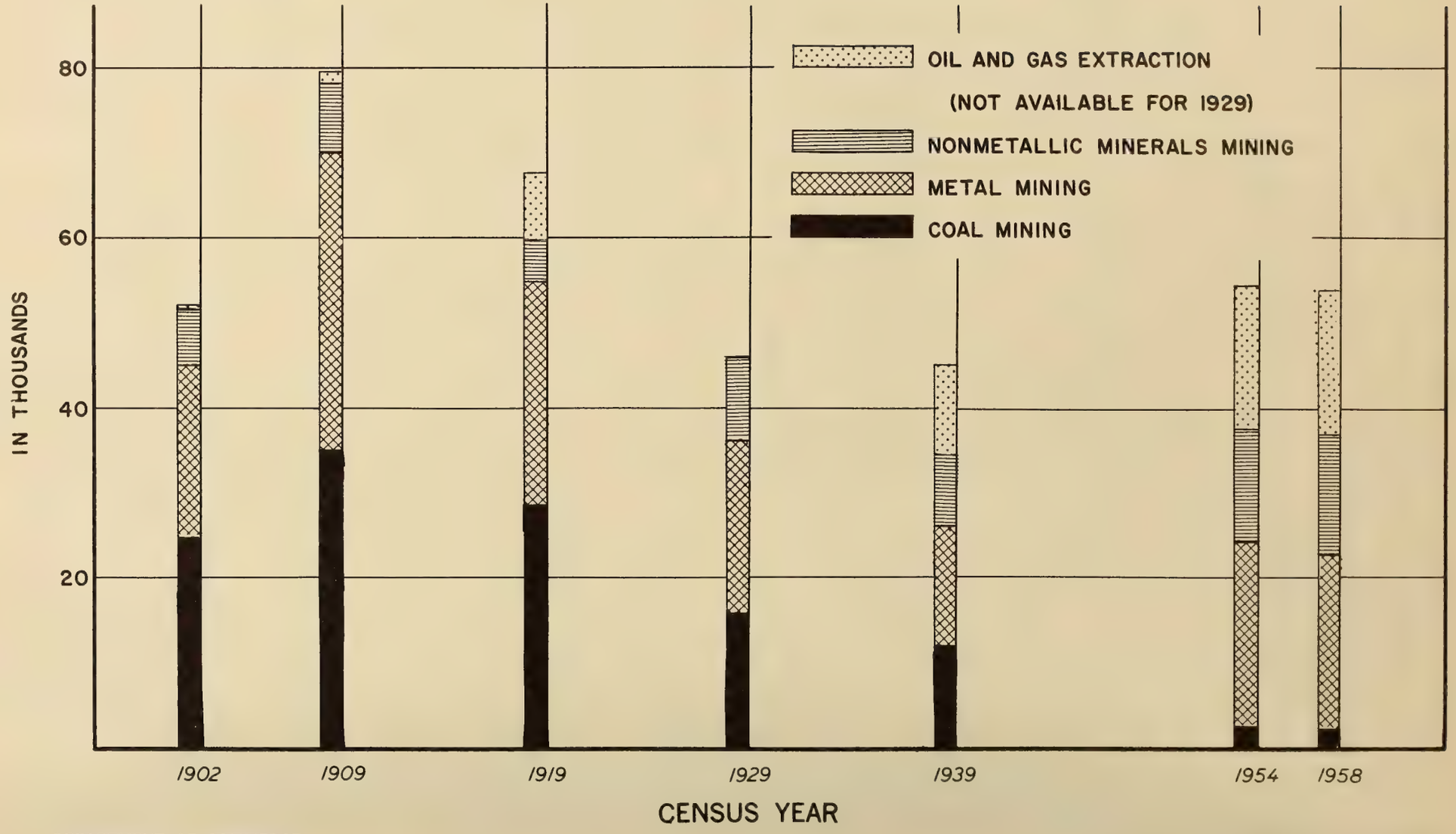
Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
East North Central, total.....	4,662	4,313	349	36	6	14	...	...	...	2	1	612	14	1,388	9	535	61	35	472	36	1,043	73	53	198	26	11	30	7
No employees.....	462	432	30	1	...	...	...	...	...	...	...	40	3	208	...	24	7	...	43	1	92	6	8	23	3	...	3	...
1-4 employees.....	2,077	1,894	183	4	...	5	...	...	...	...	...	170	6	848	2	241	29	7	111	6	434	45	20	125	5	5	14	...
5-9 employees.....	723	677	46	1	...	3	...	...	...	...	...	99	3	140	1	111	8	6	71	4	214	10	8	26	8	4	6	...
10-19 employees...	688	651	37	1	1	1	...	...	...	...	1	102	1	94	1	106	9	5	128	7	191	8	7	15	3	2	3	2
20-49 employees...	449	414	35	6	...	2	...	...	...	1	...	94	1	71	5	40	7	6	83	12	93	4	8	9	1	...	2	4
50-99 employees...	118	108	10	4	1	2	...	...	...	...	...	38	...	14	...	12	...	4	21	5	11	...	2	...	2	...	1	1
100-249 employees.	104	97	7	12	2	1	...	...	...	1	...	49	...	8	...	1	1	6	11	1	8	...	...	...	2	...	1	...
250-499 employees.	27	27	...	4	...	...	...	...	...	...	...	15	...	3	...	...	...	...	3	...	...	...	...	...	2	...	...	...
500-999 employees.	12	11	1	2	1	...	...	...	...	...	...	5	...	2	...	...	...	1	1	...	...	...	...	...	...	...	...	...
1000 employees and over.....	2	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

WEST NORTH CENTRAL

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

WEST NORTH CENTRAL



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

West North Central

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	3,221	452	50,928	253,055	38,591	76,427	174,836	918,673	225,172	93,109	106,159	69,131	1,267,166	145,078	23,645	613
1954	3,320	470	51,567	213,366	43,170	86,965	167,642	[2]785,763	174,159	[3]10,280	130,828	104,617	[2]1,006,491	199,102	18,755	434
Including operations in manufactures:																
All operations:																
1958	3,384	484	53,600	264,617	41,081	81,570	184,952	956,496	[4]235,115	[4]93,109	[4]106,445	[5]69,326	1,315,218	[5]145,273	[5]23,715	577
1954[6]	3,435	499	54,163	223,255	45,589	92,437	176,690	[2]813,247	[4]182,462	[3]11,252	[4]131,039	[5]104,929	[2]1,043,418	[5]199,457	[5]18,697	410
1939[7]	[8]2,242	(NA)	44,826	59,270	39,593	70,332	46,611	213,735	26,298	(NA)	12,936	(NA)	252,969	(NA)	7,324	185
1919[9]	1,754	(NA)	67,460	94,934	62,654	(NA)	84,892	204,842	68,217	299	6,754	(NA)	280,112	(NA)	[10]16,955	271
1909[9]	2,477	(NA)	79,460	55,403	75,759	(NA)	50,988	104,283	21,103	1,920	2,948	(NA)	130,254	(NA)	(NA)	(NA)
1902[11]	[8]2,596	(NA)	52,264	35,266	[12]48,608	(NA)	32,002	62,312	10,436	(NA)	895	(NA)	73,643	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	1,712	291	36,654	184,164	27,960	55,409	128,408	507,849	[13]170,529	([13])	[4]18,650	[5]26,987	680,490	[5]43,525	[5]13,260	473
1954[6]	1,845	287	37,132	152,819	31,421	64,145	121,344	(NA)	(NA)	(NA)	[5]36,949	[5]42,030	[2]572,243	[5]80,490	[5]6,492	207
1939[14]	[8]1,466	(NA)	34,243	43,198	30,892	56,303	35,234	156,333	21,441	(NA)	523	(NA)	178,297	(NA)	3,921	127
1929[15]	1,248	(NA)	45,876	65,321	42,443	(NA)	56,823	196,723	33,411	(NA)	1,884	6,373	232,018	(NA)	8,284	195
1919[16]	1,130	(NA)	59,962	83,107	56,346	(NA)	75,268	173,976	34,808	12	2,801	(NA)	211,597	(NA)	[10]13,368	237
1909[17]	2,244	(NA)	78,170	54,582	74,734	(NA)	50,472	99,019	20,244	1,650	2,648	(NA)	123,561	(NA)	(NA)	(NA)
1902[18]	[8]2,513	(NA)	51,940	35,028	[12]48,361	(NA)	31,827	61,863	9,972	(NA)	679	(NA)	72,514	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas. See also footnote 2.

[3]Excludes data for natural gas processed at natural gas liquids plants. See also footnote 2.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work, and for dimension stone operations in manufactures in 1958, the cost of minerals received for preparation, is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, and for dimension stone mining operations in manufactures, excludes data for Iowa and Nebraska.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. For 1929, there were 144 such sand and gravel establishments, with products valued at $11,555 thousand, and 20 such stone operations (the value of products of 18 of these stone quarries was $3,342 thousand). See also footnote 14.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, also to 5 percent.

[11]Includes data for lime plants producing lime valued at $620 thousand and for 7 cement plants. Excludes data for sand and gravel and clay mining operations.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. See also footnote 4.

[14]Except for number of establishments, includes data for 23 nonproducing operations in Missouri and South Dakota. See also footnote 7.

[15]Excludes data for common clay and shale operations. In 1939, there were 60 such mines with products of 59 of these mines amounting to $633 thousand.

[16]Except for number of establishments, includes data for one establishment in the crude petroleum and natural gas industry in South Dakota. See also footnote 9.

[17]Except for number of establishments, includes data for 4 establishments in the crude petroleum and natural gas industry in North Dakota and South Dakota. See footnote 9.

[18]Except for number of establishments, includes data for 2 oil field operations in Missouri. See also footnote 10.

West North Central

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	3,384	484	53,600	264,617	41,081	81,570	184,952	956,496	[2]503,995	[3]1,315,218	[4]145,273	54,163	[5]813,247
	Mineral industries	3,221	452	50,928	253,055	38,591	76,427	174,836	918,673	493,571	1,267,166	145,078	51,567	[5]785,763
	Included in manufactures	163	32	[3]2,672	[3]11,562	[3]2,490	5,143	10,116	37,823	[2]10,424	[2]48,052	[4]195	[3]2,596	27,484
10	Metal mining	198	73	20,481	[6]123,221	14,575	[6]29,994	[6]79,699	[5][6]351,911	[6]144,998	[5][6]473,325	[6]23,584	21,358	[5]320,488
108	Metal mining services	12	1	159	927	133	279	722	1,437	491	1,844	84	99	765
12	Bituminous and lignite coal mining	176	21	2,201	([6])	1,466	([6])	([6])	([6])	([6])	([6])	([6])	(NA)	(NA)
1211	Bituminous coal	130	15	1,877	9,700	1,182	2,174	5,607	16,022	8,274	20,072	4,224	1,949	15,471
13	Oil and gas extraction	1,672	193	16,946	80,453	13,121	26,161	56,544	448,647	287,829	634,728	101,748	17,031	(NA)
1311	Crude petroleum and natural gas	1,088	118	10,958	53,703	7,789	15,019	33,658	384,190	195,817	487,331	92,676	10,406	296,266
	Crude petroleum	1,050	111	10,430	50,946	7,448	14,353	31,960	347,666	187,493	448,407	86,752	9,813	267,380
	Natural gas	38	7	528	2,757	341	666	1,698	36,524	8,324	38,924	5,924	593	28,886
138	Oil and gas field services:													
1381	Drilling oil and gas wells	280	44	3,356	15,120	2,973	6,099	12,771	31,384	21,760	47,499	5,645	4,091	39,884
1382	Oil and gas exploration services	19	2	212	1,143	182	374	921	1,874	1,275	3,077	72	(NA)	(NA)
	Nonmetallic minerals mining	1,338	197	13,972	60,943	11,919	25,415	48,709	155,938	[2]71,168	[3]207,165	[4]19,941	(NA)	(NA)
14	Mineral industries	1,175	165	11,300	49,381	9,429	20,272	38,593	118,115	60,744	159,113	19,746	(NA)	(NA)
	Included in manufactures	163	32	[3]2,672	[3]11,562	[3]2,490	5,143	10,116	37,823	[2]10,424	[3]48,052	[4]195	[3]2,596	27,484
	Dimension stone	54	13	1,692	6,988	1,479	3,122	5,446	10,850	5,633	16,239	244	1,487	7,480
	Dimension limestone	24	5	309	1,141	255	460	841	1,602	616	2,155	63	(NA)	(NA)
	Mineral subindustry	12	...	56	132	37	55	67	149	50	182	17	(NA)	(NA)
	Included in manufactures	12	5	253	1,009	218	405	774	1,453	566	1,973	46	(NA)	(NA)
	Dimension granite	22	7	982	4,325	873	1,902	3,397	7,047	3,366	10,325	88	(NA)	(NA)
	Mineral subindustry	15	1	94	267	85	170	246	778	302	1,064	16	(NA)	(NA)
	Included in manufactures	7	6	888	4,058	788	1,732	3,151	6,269	3,064	9,261	72	(NA)	(NA)
	Dimension stone, nec	8	1	401	1,522	351	760	1,208	2,201	1,651	3,759	93	(NA)	(NA)
	Crushed and broken stone	398	111	6,085	27,270	5,208	11,318	22,067	72,894	[2]37,396	[3]99,044	(NA)	(NA)	(NA)
1421	Mineral industry	374	97	[3]5,462	24,315	[3]4,585	10,071	19,112	57,426	34,184	80,364	11,246	(NA)	(NA)
	Included in manufactures	24	14	[3]623	[3]2,955	[3]623	1,247	2,955	15,468	[2]3,212	[3]18,680	(NA)	(NA)	(NA)
	Crushed and broken limestone (mineral subindustry only)	345	92	5,154	23,144	4,324	9,560	18,146	54,603	31,935	75,703	10,835	4,573	35,191
	Crushed and broken granite (mineral subindustry)	5	2	59	271	51	112	223	380	733	1,051	62	(NA)	(NA)
	Crushed and broken stone, nec (mineral subindustry only)	24	3	249	900	210	399	743	2,443	1,516	3,610	349	(NA)	(NA)
	Sand and gravel	686	56	4,666	20,516	3,886	8,351	16,108	48,484	[2]21,210	[3]62,655	(NA)	(NA)	(NA)
1441	Mineral industry	636	53	[3]4,456	19,757	[3]3,676	7,931	15,349	44,747	20,699	58,407	7,039	4,487	37,372
	Included in manufactures	50	3	[3]210	[3]759	[3]210	420	759	3,737	[2]511	[3]4,248	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	627	51	4,364	19,376	3,596	7,764	15,034	44,014	20,142	57,248	6,908	(NA)	(NA)
	Glass sand and molding sand	9	2	92	381	80	167	315	733	557	1,159	131	(NA)	(NA)
	Clay and related minerals	139	7	759	3,016	693	1,362	2,712	10,042	[2]4,667	[3]13,893	(NA)	(NA)	(NA)
145	Mineral industries	78	7	567	2,206	501	979	1,902	6,758	3,695	9,637	816	(NA)	(NA)
	Included in manufactures	61	...	[3]192	[3]810	[3]192	383	810	3,284	[2]972	[3]4,256	(NA)	(NA)	(NA)
	Fire clay	52	3	337	1,253	305	549	1,130	4,946	1,772	6,389	(NA)	(NA)	(NA)
1453	Mineral industry	46	3	303	1,108	271	482	985	3,894	1,484	5,049	329	(NA)	(NA)
	Clay and related minerals, nec	69	2	305	1,316	284	604	1,206	3,379	[2]1,928	[3]5,174	(NA)	344	2,728
1459	Mineral industry	14	2	147	651	126	288	541	1,147	1,244	2,258	133	116	1,135
	Included in manufactures	55	...	[3]158	[3]665	[3]158	316	665	2,232	[2]684	[3]2,916	(NA)	[3]228	1,593
147	Chemical and fertilizer minerals:													
1472	Barite	21	3	307	1,060	273	551	921	4,527	915	5,009	433	379	2,381
	Miscellaneous minerals, nec	28	5	[3]234	[3]874	[3]225	407	819	6,895	[2]744	[3]7,568	[4]71	(NA)	(NA)

D Withheld to avoid disclosing figures for individual companies. NA Not available. [1]Excludes data for sand and gravel mining operations in manufacturing establishments and for one clay mining operation in a manufacturing establishment in North Dakota. [2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing, and for dimension stone mining operations in manufacturing establishments in Nebraska, excludes the cost of purchased machinery installed. [3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment. [4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, and for dimension stone mining operations in manufacturing establishments in Nebraska. [5]Excludes data for the Uranium-Radium-Vanadium Ores Industry. [6]Figures for Bituminous coal and lignite mining are combined with those for Metal mining.

West North Central

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	493,571	225,172	93,109	106,159	69,131	145,078	47,891	97,187	xxx	xxx	xxx	xxx
10& 12	Metal mining and Bituminous coal and lignite mining	144,998	[3]120,193	([3])	11,474	13,331	23,584	4,116	19,468	xxx	xxx	xxx	xxx
1211	Bituminous coal	8,274	[3]4,617	([3])	160	3,497	4,224	16	4,208	4,572	18,839	...	...
13	Oil and gas extraction	287,829	[3]157,695	([3])	87,795	42,339	101,748	42,813	58,935	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	195,817	76,542	xxx	83,243	36,032	92,676	41,961	50,715	xxx	477,823	xxx	4,199
	Crude petroleum	187,493	72,606	xxx	79,876	35,011	86,752	38,229	48,523	[4]138,798	407,423	[4]3,114	8,371
	Natural gas	8,324	3,936	xxx	3,367	1,021	5,924	3,732	2,192	[5]264,759	34,271	[5]294,722	31,957
138	Oil and gas field services:												
1381	Drilling oil and gas wells	21,760	14,453	xxx	3,176	4,131	5,645	850	4,795	xxx	[6]48,527	xxx	([6])
14	Nonmetallic minerals mining	60,744	[3]40,393	[3]287	6,890	13,461	19,746	962	18,784	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	34,184	21,764	119	3,716	8,585	11,246	242	11,004	54,257	76,598	[7]12,852	[7]19,942
	Crushed and broken limestone	31,935	20,225	106	3,281	8,323	10,835	224	10,611	50,896	71,943	[7]12,851	[7]19,721
1441	Sand and gravel	20,699	13,905	120	2,528	4,146	7,039	602	6,437	55,939	[6]57,199	[7]4,894	([6])
	Common sand and gravel	20,142	13,582	120	2,519	3,921	6,908	602	6,306	55,371	[6]55,784	[7]4,849	([6])
145	Clay and related minerals	3,695	[3]2,841	([3])	340	514	816	90	726	xxx	xxx	xxx	xxx
1453	Fire clay	1,484	1,113	...	196	175	329	73	256	1,149	5,030	[7]316	[7]1,340
147	Chemical and fertilizer minerals:												
1472	Barite	915	638	...	211	66	433	...	433	208	5,009	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry. For sand and gravel, see also footnote 7.

[7]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated. The figure for the quantity of crushed and broken limestone shipped by establishments classified in other industries includes less than 40 thousand tons of stone other than limestone used in the manufacture of cement.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	2,634	2,503	1,479	61	338	1,080	996	46	827	123	28	131
	Number of employees	[3]45,148	41,645	15,086	(D)	(D)	10,961	24,799	6,582	(D)	(D)	1,760	586
	Value added in mining, $1,000	868,377	872,698	484,540	(D)	(D)	388,055	336,404	55,955	(D)	(D)	51,754	(4)
10	Metal mining:												
	Number of establishments	186	147	70	20	49	1	74	14	58	2	3	39
	Number of employees	[3]20,322	16,942	(D)	(D)	2,407	(D)	13,130	5,839	(D)	(D)	(D)	463
	Value added in mining, $1,000	(D)	331,790	(D)	(D)	76,066	(D)	219,687	49,756	(D)	(D)	(D)	(4)
1211	Bituminous coal:												
	Number of establishments	130	130	79	34	45	...	50	18	31	1	1	...
	Number of employees	1,877	1,877	282	137	145	...	(D)	256	(D)	(D)	(D)	...
	Value added in mining, $1,000	16,022	16,022	2,409	613	1,796	...	(D)	927	(D)	(D)	(D)	...
13	Oil and gas extraction:												
	Number of establishments	1,109	1,031	1,010	...	...	1,010	...	...	...	...	21	78
	Number of employees	(D)	(D)	10,859	...	...	10,859	...	...	...	...	(D)	99
	Value added in mining, $1,000	(D)	(D)	386,544	...	...	386,544	...	...	...	...	(D)	(4)
14	Nonmetallic minerals mining:												
	Number of establishments	1,166	1,152	297	2	226	69	852	14	718	120	3	14
	Number of employees	11,251	11,227	1,427	(D)	1,325	(D)	(D)	487	8,090	(D)	(D)	24
	Value added in mining, $1,000	117,490	117,535	18,585	(D)	17,039	(D)	(D)	5,272	82,388	(D)	(D)	(4)
142	Crushed and broken stone:												
	Number of establishments	374	371	39	...	39	...	330	11	312	7	2	3
	Number of employees	5,462	5,450	(D)	...	(D)	...	5,041	(D)	4,517	(D)	(D)	12
	Value added in mining, $1,000	57,426	57,463	(D)	...	(D)	...	52,975	(D)	47,290	(D)	(D)	(4)
	Crushed and broken limestone:												
	Number of establishments	345	345	34	...	34	...	311	11	293	7	...	...
	Number of employees	5,154	5,154	340	...	340	...	4,814	(D)	4,290	(D)	...	...
	Value added in mining, $1,000	54,603	54,603	4,017	...	4,017	...	50,586	(D)	44,901	(D)	...	...
144	Sand and gravel:												
	Number of establishments	636	634	152	...	84	68	482	...	369	113	...	2
	Number of employees	4,456	(D)	(D)	...	425	(D)	3,933	...	2,928	1,005	...	(D)
	Value added in mining, $1,000	44,747	(D)	(D)	...	7,490	(D)	35,826	...	26,667	9,159	...	(D)
1453	Fire clay:												
	Number of establishments	46	46	45	...	45	...	1	...	1	...	...	...
	Number of employees	303	303	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	3,894	3,894	(D)	...	(D)	...	(D)	...	(D)	...	...	...
1472	Barite:												
	Number of establishments	21	17	3	...	3	...	14	...	14	...	...	4
	Number of employees	307	302	19	...	19	...	283	...	283	...	...	5
	Value added in mining, $1,000	4,527	4,530	114	...	114	...	4,416	...	4,416	...	...	(4)

D Withheld to avoid disclosing figures for individual companies.
[1]Includes data for 60 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 20 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for employees at central offices and related facilities which were not distributed by type of operation.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

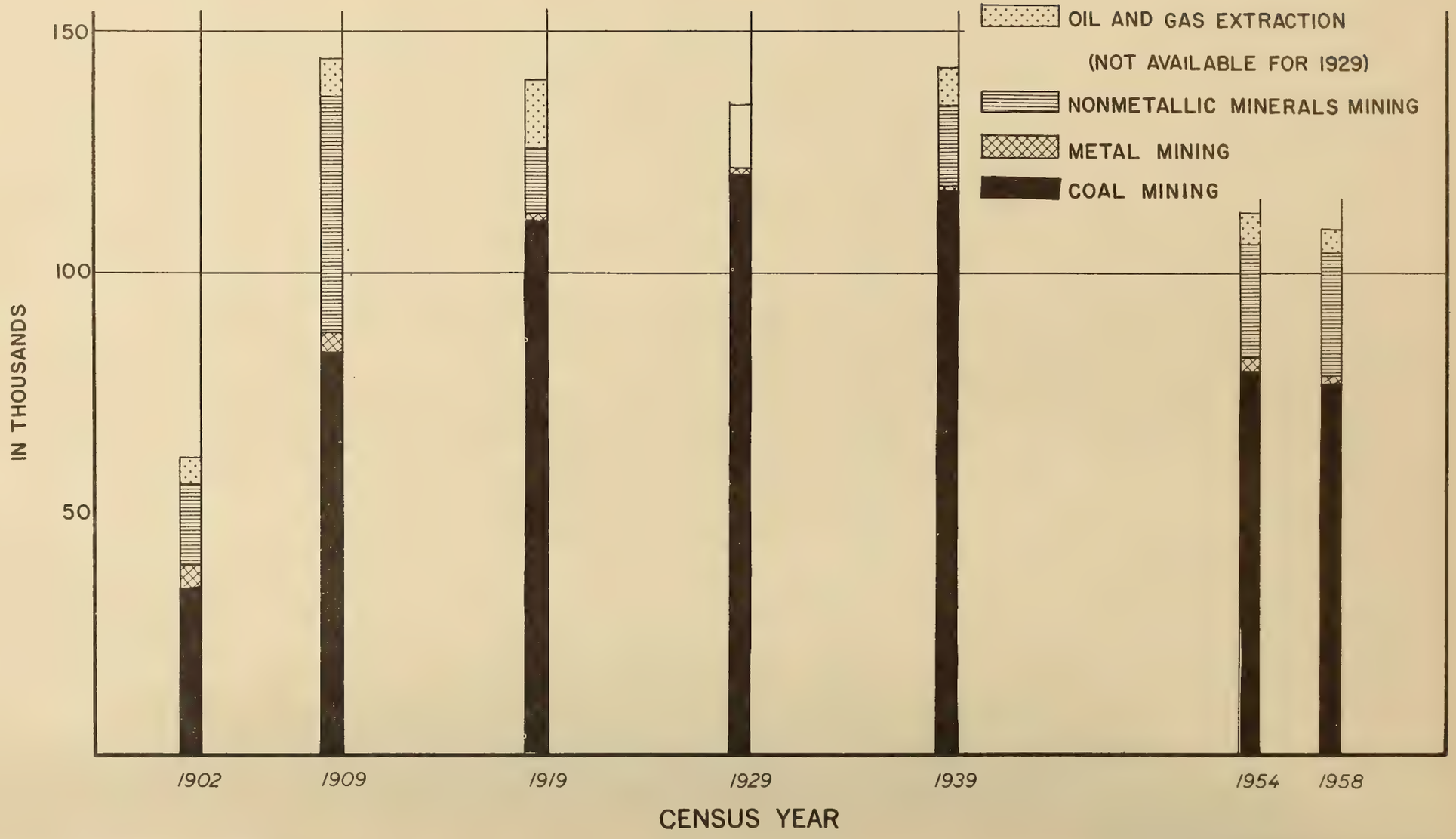
Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
West North Central, total	3,384	3,221	163	113	2	25	6	...	2	12	38	173	3	1,088	21	563	32	22	374	24	636	50	78	61	24	9	22	6
No employees	389	376	13	5	...	5	...	...	...	...	19	39	1	174	...	25	3	...	12	...	79	10	8	3	...	...	6	...
1-4 employees	1,489	1,411	78	21	1	10	3	...	2	6	14	58	2	587	2	241	13	3	101	1	292	28	33	46	10	4	11	...
5-9 employees	550	526	24	11	1	5	...	...	...	1	1	38	...	119	2	103	10	5	71	4	133	6	22	8	4	3	2	1
10-19 employees	472	456	16	11	...	1	1	...	...	4	3	17	...	90	9	127	5	2	93	5	79	3	8	4	5	2	1	2
20-49 employees	339	315	24	15	...	...	...	...	...	1	...	12	...	79	8	53	1	7	90	12	48	3	5	...	1	...	2	2
50-99 employees	79	75	4	15	...	...	1	...	...	...	1	8	...	23	...	12	...	2	5	1	4	...	2	...	4	...	...	1
100-249 employees	51	49	2	26	...	3	...	...	...	...	...	1	...	14	...	2	...	1	2	1	1	...	...	...	...	...	...	...
250-499 employees	7	6	1	5	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
500-999 employees	4	3	1	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1,000 employees and over	4	4	...	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

SOUTH ATLANTIC

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

SOUTH ATLANTIC



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

South Atlantic

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	4,701	899	106,066	478,296	92,417	161,799	399,482	939,989	[2]281,858	[2]194,560	43,227	93,637	1,411,426	141,845	14,697	159
1954	4,227	808	108,999	421,261	98,602	176,135	366,985	[3]761,393	238,995	[4]102,110	39,317	75,363	[3]1,118,407	98,768	12,953	131
Including operations in manufactures:																
All operations:																
1958	4,875	930	108,816	487,949	95,002	166,763	408,309	969,764	[5]287,827	[2]194,842	[5]43,251	[6]93,996	1,447,446	[6]142,234	[6]14,740	155
1954[7]	4,380	843	111,848	429,574	101,328	181,592	374,640	[3]782,793	[5]243,903	[4]102,145	[5]39,332	[6]75,549	[3]1,144,729	[6]98,990	[6]12,994	128
1939[8]	[9]2,141	(NA)	141,898	173,211	134,746	211,365	157,882	243,276	49,004	(NA)	2,741	(NA)	295,021	(NA)	8,876	66
1919[10]	2,296	(NA)	139,735	168,254	129,844	(NA)	149,394	280,779	60,933	5,890	4,472	(NA)	352,074	(NA)	[11]17,780	137
1909[10]	1,532	(NA)	114,473	55,769	109,271	(NA)	50,004	81,551	18,295	894	4,976	(NA)	105,716	(NA)	(NA)	(NA)
1902[12]	[9]6,174	(NA)	61,246	33,191	[13]56,694	(NA)	29,062	53,652	12,018	(NA)	5,422	(NA)	71,092	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	3,840	885	103,440	467,940	90,457	158,019	392,191	914,596	[5]272,637	[2]172,504	[5]33,828	[6]85,658	1,358,086	[6]121,137	[6]11,366	126
1954[7]	3,408	793	105,909	410,502	96,126	172,204	358,919	[3]720,490	[5]231,570	[3]100,043	[5]28,741	[6]69,987	[3]1,068,626	[6]82,213	[6]10,848	113
1939[14]	[9]1,590	(NA)	134,538	164,132	128,232	200,349	150,435	220,295	46,180	(NA)	721	(NA)	267,196	(NA)	6,864	54
1929[15]	1,349	(NA)	139,359	175,545	132,089	(NA)	157,949	245,493	51,082	(NA)	719	11,131	297,294	(NA)	9,229	70
1919[10]	1,540	(NA)	126,071	153,317	117,537	(NA)	136,973	206,068	45,537	18	933	(NA)	252,556	(NA)	[11]14,069	(NA)
1909[10]	1,082	(NA)	107,006	50,578	102,514	(NA)	45,605	65,527	11,486	...	525	(NA)	77,538	(NA)	(NA)	(NA)
1902[12]	[9]1,675	(NA)	56,263	29,382	[13]52,260	(NA)	25,878	42,453	5,958	(NA)	251	(NA)	48,662	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas fron natural gas liquids plants.

[2]The cost of minerals received for preparation in South Carolina is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas. See also footnote 3.

[5]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, see also footnote 2.

[6]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[7]Excludes data for sand and gravel mining operations in manufacturing establishments.

[8]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries.

[9]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude potroleum and natural gas and mining services industries, number of operating companies.

[10]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. For 1929, there were 61 such sand and gravel establishments, with products of 55 of these establishments valued at $7,086 thousand, and 29 such stone operations (the value of products of 19 of these stone quarries was $3,180 thousand). See also footnote 15.

[11]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to 9 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, also to 9 percent.

[12]Includes data for lime plants producing lime valued at $861 thousand and for 3 cement plants. Excludes data for sand and gravel and clay mining operations and for stone quarries at 7 cement plants with cement produced valued at $786 thousand.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[14]Includes data for one nonproducing operation in the Crude Petroleum and Natural Gas Industry in Florida. See also footnote 8.

[15]Excludes data for common clay and shale operations. In 1939 there were 90 such mines (the value of products of 89 of these stone operations $887 thousand).

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Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	4,875	930	108,816	487,949	95,002	166,763	408,309	969,764	[2]619,916	[3]1,447,446	[4]142,234	111,848	[5]782,793
	Mineral industries	4,701	899	106,066	478,296	92,417	161,799	399,482	939,989	613,282	1,411,426	141,845	108,999	[5]761,393
	Included in manufactures	174	31	[3]2,750	[3]9,653	[3]2,585	4,964	8,827	29,775	[2]6,634	[3]36,020	[4]389	[3]2,849	21,400
10	Metal mining	58	13	1,759	6,845	1,402	2,565	4,902	12,944	9,816	18,841	3,919	2,085	[5] [7]19,989
109	Miscellaneous metal ores	14	7	665	2,814	467	834	1,724	6,989	4,991	9,398	2,582	(NA)	(NA)
12	Bituminous coal mining	2,708	544	76,542	365,309	67,250	110,149	310,536	642,475	387,596	944,624	85,447	79,541	497,313
1211	Bituminous coal	2,655	536	75,925	362,347	66,687	109,209	307,820	636,742	384,172	936,350	84,564	79,156	494,259
1213	Coal stripping services, nec	47	8	567	2,859	514	862	2,549	5,397	3,240	7,782	855	385	3,054
1214	Coal mining services, nec	6	...	50	103	49	78	167	336	184	492	28		
13	Oil and gas extraction	1,035	45	5,376	20,009	4,545	8,744	16,118	55,168	55,289	89,360	21,097	5,939	62,295
1311	Crude petroleum and natural gas	854	27	3,975	14,374	3,228	5,933	10,877	40,498	23,185	48,581	15,102	4,136	46,870
	Crude petroleum	332	8	1,349	5,210	1,173	2,228	4,277	5,996	4,657	8,728	1,925	1,580	5,127
	Natural gas	522	19	2,626	9,164	2,055	3,705	6,600	34,502	18,528	39,853	13,177	2,556	41,743
1321	Natural gas liquids	38	4	343	1,862	323	649	1,731	8,501	28,759	31,895	5,365	430	[6]7,919
138	Oil and gas field services	143	14	1,058	3,773	994	2,162	3,510	6,169	3,345	8,884	630	1,373	8,665
1381	Drilling oil and gas wells	106	14	929	3,392	880	1,986	3,186	5,300	2,836	7,529	607	1,147	7,506
1389	Oil and gas field services, nec	37	...	129	381	114	176	324	869	509	1,355	23	[8]226	[8]1,159
	Nonmetallic minerals mining	1,074	328	25,139	95,786	21,805	45,305	76,753	259,177	[2]167,215	[3]394,621	[4]31,771	24,283	[7]203,196
14	Mineral industries	900	297	22,389	86,133	19,220	40,341	67,926	229,402	160,581	358,601	[4]31,382	21,434	[7]181,796
	Included in manufactures	174	31	[3]2,750	[3]9,653	[3]2,585	4,964	8,827	29,775	[2]6,634	[3]36,020	[4]389	[3]2,849	21,400
	Dimension stone	68	23	1,978	5,656	1,763	3,200	4,705	8,302	3,315	11,114	503	1,593	6,548
1411	Mineral industry	41	6	429	1,059	379	638	934	1,809	753	2,458	104	1,593	6,548
	Included in manufactures	27	17	1,549	4,597	1,384	2,562	3,771	6,493	2,562	8,656	399		
	Dimension limestone	8	...	45	125	31	45	91	178	75	240	13	(NA)	(NA)
	Dimension granite	43	17	1,123	3,341	1,010	1,782	2,787	5,040	2,330	7,139	231	(NA)	(NA)
	Mineral subindustry	27	5	324	838	302	536	761	1,408	685	2,036	57	(NA)	(NA)
	Included in manufactures	16	12	799	2,503	708	1,246	2,026	3,632	1,645	5,103	174	(NA)	(NA)
	Dimension stone, nec	17	6	810	2,190	722	1,373	1,827	3,084	910	3,735	259	(NA)	(NA)
	Mineral subindustry	10	1	79	169	63	88	147	330	59	342	47	(NA)	(NA)
	Included in manufactures	7	5	731	2,021	659	1,285	1,680	2,754	851	3,393	212	(NA)	(NA)
	Crushed and broken stone	306	162	8,592	32,975	7,507	16,005	26,671	93,924	[2]51,836	[3]131,865	(NA)	(NA)	(NA)
1421	Mineral industry	281	153	8,180	31,078	7,095	15,181	24,774	84,591	49,964	120,660	13,895	(NA)	(NA)
	Included in manufactures	25	9	[3]412	[3]1,897	[3]412	824	1,897	9,333	[2]1,872	[3]11,205	(NA)	(NA)	(NA)
	Crushed and broken limestone (mineral subindustry only)	171	84	4,662	18,362	4,003	8,296	14,439	48,604	26,081	66,987	7,698	3,852	31,103
	Crushed and broken granite (mineral subindustry)	68	48	2,430	8,529	2,144	4,770	6,978	23,288	15,813	35,253	3,848	(NA)	(NA)
	Crushed and broken stone, nec (mineral subindustry only)	42	21	1,088	4,187	948	2,115	3,357	12,699	8,070	18,420	2,349	(NA)	(NA)
	Sand and gravel	328	62	4,422	17,519	3,835	8,110	14,177	49,395	[2]21,008	[3]64,652	(NA)	(NA)	(NA)
1441	Mineral industry	304	59	4,193	16,472	3,606	7,652	13,130	43,522	20,384	58,155	5,751	4,144	36,201
	Included in manufactures	24	3	[3]229	[3]1,047	[3]229	458	1,047	5,873	[2]624	[3]6,497	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	292	53	3,654	14,329	3,164	6,732	11,557	37,961	17,804	50,811	4,954	(NA)	(NA)
	Glass sand and molding sand	12	6	539	2,143	442	920	1,573	5,561	2,580	7,344	797	(NA)	(NA)
	Clay and related minerals	183	42	[3]4,619	[3]17,977	[3]3,985	8,376	14,059	44,843	[2]23,926	[3]63,017	[4]5,752	(NA)	(NA)
	Fire clay	16	1	134	645	132	250	634	800	523	1,289	(NA)	(NA)	(NA)
1454	Fuller's earth	7	6	594	2,213	477	1,042	1,537	5,482	2,818	7,763	537	495	3,679
	Clay and related minerals, nec	105	10	806	3,120	735	1,613	2,604	10,920	[2]4,401	[3]14,583	(NA)	785	6,542
1459	Mineral industry	19	10	493	2,044	422	988	1,528	4,493	3,343	7,098	738	325	2,538
	Included in manufactures	86	...	[3]313	[3]1,076	[3]313	625	1,076	6,427	[2]1,058	[3]7,485	(NA)	[3]460	4,004
147	Chemical and fertilizer minerals	45	25	3,753	16,717	3,114	6,546	12,959	51,916	63,905	111,077	4,744	(NA)	(NA)
1475	Phosphate rock	33	19	3,259	14,676	2,692	5,638	11,413	47,822	60,888	104,298	4,412	3,948	46,015
148	Nonmetallic minerals services	16	1	362	794	358	654	773	1,052	259	1,149	162	97	550
	Miscellaneous minerals, nec	128	13	[3]1,413	[3]4,148	[3]1,243	2,414	3,409	9,755	[2]2,966	[3]11,747	[4]974	(NA)	(NA)

D Withheld to avoid disclosing figures for individual companies.
NA Not available.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4] Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5] Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6] For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing of natural gas liquids contained in such gas was used in computing value added in mining.

[7] Figures for one Metal Mining establishment with 5 to 9 employees are included with those for the Nonmetallic Minerals Mining Industries.

[8] Includes data for the Oil and Gas Field Exploration Services Industry.

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Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	613,282	[3]281,858	[3]194,560	43,227	93,637	141,845	15,642	126,203	xxx	xxx	xxx	xxx
10	Metal mining.....	9,816	[4]6,622	([4])	528	2,666	3,919	844	3,075	xxx	xxx	xxx	xxx
109	Miscellaneous metal ores.....	4,991	[4]2,919	([4])	118	1,954	2,582	113	2,469	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	387,596	175,058	130,093	26,375	56,070	85,447	3,703	81,744	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	384,172	173,001	130,093	26,013	55,065	84,564	3,703	80,861	151,349	806,869	...	...
1213	Coal stripping services, nec...	3,240	1,886	xxx	354	1,000	855	...	855	xxx	[5]7,782	xxx	([5])
13	Oil and gas extraction.....	55,289	15,190	22,338	9,423	8,338	21,097	10,084	11,013	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	23,185	11,456	xxx	8,991	2,738	15,102	10,013	5,089	xxx	48,418	xxx	292
	Crude petroleum.....	4,657	2,063	xxx	2,179	415	1,925	1,202	723	[6]2,223	7,066	[6]296	1,028
	Natural gas.....	18,528	9,393	xxx	6,812	2,323	13,177	8,811	4,366	[7]169,507	38,989	[7]6,942	1,627
1321	Natural gas liquids.....	28,759	1,100	22,338	278	5,043	5,365	xxx	5,365	[8]6,620	[8]10,702	...	...
138	Oil and gas field services.....	3,345	2,634	xxx	154	557	630	71	559	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	2,836	2,199	xxx	125	512	607	48	559	xxx	[5]7,036	xxx	([5])
14	Nonmetallic minerals mining.....	160,581	86,336	40,781	6,901	26,563	31,382	1,011	30,371	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	49,964	34,267	593	3,774	11,330	13,895	182	13,713	69,796	114,173	[9]8,076	[9]12,700
	Crushed and broken limestone.	26,081	17,372	591	2,981	5,137	7,698	134	7,564	38,375	61,274	[9]8,322	[9]10,245
	Crushed and broken granite...	15,813	11,171	...	61	4,581	3,848	47	3,801	23,219	35,103	[9]263	638
	Crushed and broken stone, nec.....	8,070	5,724	2	732	1,612	2,349	1	2,348	7,427	16,449	[9]266	[9]3,164
1441	Sand and gravel.....	20,384	13,883	83	1,654	4,764	5,751	94	5,657	45,984	[5][9]59,167	[9]5,736	([5])
	Common sand and gravel.....	17,804	12,176	83	1,652	3,893	4,954	92	4,862	44,193	[5][9]53,601	[9]5,874	([5])
	Glass sand and molding sand..	2,580	1,707	...	2	871	797	2	795	1,335	[5]5,566	318	([5])
145	Clay and related minerals:												
1454	Fuller's earth.....	2,818	[4]2,375	([4])	224	219	537	(D)	(D)	245	(D)	...	...
1459	Clay and related minerals, nec.....	3,343	2,602	...	42	699	738	6	732	1,244	7,098	[9]5,036	[9]6,769
147	Chemical and fertilizer minerals.....	63,905	[4]58,155	([4])	390	5,360	4,744	106	4,638	xxx	xxx	xxx	xxx
1475	Phosphate rock.....	60,888	16,777	38,655	200	5,256	4,412	66	4,346	12,136	75,888	...	...

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation in South Carolina is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, purchased fuels and electricity.

[5]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[6]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[7]Represents millions of cubic feet of natural gas shipped.

[8]Represents net shipments of natural gas liquids only. The quantity is in thousands of barrels.

[9]Includes data for minerals produced and used in the same manufacturing establishment in making manufactured products.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	4,485	4,404	3,176	1,888	357	931	1,079	354	573	152	149	81
	Number of employees	103,981	103,719	(D)	20,483	(D)	(D)	(D)	46,827	(D)	7,516	2,592	262
	Value added in mining, $1,000	926,703	928,189	(D)	115,646	(D)	(D)	(D)	433,000	(D)	72,337	39,033	(3)
10	Metal mining:												
	Number of establishments	54	44	12	1	11	...	27	6	21	...	5	10
	Number of employees	1,711	(D)	32	(D)	(D)	...	(D)	(D)	760	...	(D)	(D)
	Value added in mining, $1,000	12,612	(D)	308	(D)	(D)	...	(D)	(D)	7,871	...	(D)	(D)
109	Miscellaneous metal ores:												
	Number of establishments	14	10	...	...	...	...	8	...	8	...	2	4
	Number of employees	665	658	...	...	...	...	(D)	...	(D)	...	(D)	7
	Value added in mining, $1,000	6,989	7,002	...	...	...	...	(D)	...	(D)	...	(D)	(3)
1211	Bituminous coal:												
	Number of establishments	2,655	2,637	2,078	1,869	130	79	463	335	38	90	96	18
	Number of employees	75,925	75,869	22,093	[4]20,475	985	[4]663	52,485	[5]45,476	[5]665	6,344	1,291	56
	Value added in mining, $1,000	636,742	636,775	129,568	[4]116,064	7,281	[4]6,223	489,541	[5]423,872	[5]5,838	59,831	17,666	(3)
13	Oil and gas extraction:												
	Number of establishments	892	853	817	...	...	817	...	...	...	...	36	39
	Number of employees	4,318	(D)	3,847	...	...	3,847	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	48,999	(D)	41,803	...	...	41,803	...	...	...	...	(D)	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments	854	817	817	...	...	817	...	...	...	...	...	37
	Number of employees	3,975	3,847	3,847	...	...	3,847	...	...	...	...	...	128
	Value added in mining, $1,000	40,498	41,803	41,803	...	...	41,803	...	...	...	...	...	(3)
1321	Natural gas liquids:												
	Number of establishments	38	36	...	...	...	...	...	...	...	...	36	2
	Number of employees	343	(D)	...	...	...	...	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	8,501	(D)	...	...	...	...	...	...	...	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	884	870	289	19	236	34	569	13	494	62	12	14
	Number of employees	22,027	21,999	1,588	133	1,359	96	19,500	566	17,793	1,141	911	28
	Value added in mining, $1,000	228,350	228,416	14,028	603	12,412	1,013	201,959	5,365	184,286	12,308	12,429	(3)
1421	Crushed and broken stone:												
	Number of establishments	281	281	12	1	11	...	264	3	259	2	5	...
	Number of employees	8,180	8,180	(D)	(D)	338	...	7,695	(D)	7,230	(D)	(D)	...
	Value added in mining, $1,000	84,591	84,591	(D)	(D)	4,064	...	76,775	(D)	71,168	(D)	(D)	...
	Crushed and broken limestone:												
	Number of establishments	171	171	10	1	9	...	156	1	153	2	5	...
	Number of employees	4,662	4,662	(D)	(D)	326	...	4,189	(D)	3,991	(D)	(D)	...
	Value added in mining, $1,000	48,604	48,604	(D)	(D)	3,739	...	41,113	(D)	39,107	(D)	(D)	...
	Crushed and broken granite:												
	Number of establishments	68	68	1	...	1	...	67	...	67	...	...	...
	Number of employees	2,430	2,430	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	23,288	23,288	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Crushed and broken stone, nec.												
	Number of establishments	42	42	1	...	1	...	41	2	39	...	...	...
	Number of employees	1,088	1,088	(D)	...	(D)	...	(D)	(D)	(D)	...	...	...
	Value added in mining, $1,000	12,699	12,699	(D)	...	(D)	...	(D)	(D)	(D)	...	...	...

See footnotes at end of table.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	Nonmetallic minerals mining—Con.												
1441	Sand and gravel:												
	Number of establishments	304	302	102	...	68	34	200	...	140	60	...	2
	Number of employees	4,193	(D)	446	...	350	96	(D)	...	2,769	(D)	...	(D)
	Value added in mining...$1,000	43,522	(D)	3,874	...	2,861	1,013	(D)	...	29,158	(D)	...	(D)
145	Clay and related minerals:												
1454	Fuller's earth:												
	Number of establishments	7	7	1	...	1	...	6	...	6	...	...	...
	Number of employees	594	594	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining...$1,000	5,482	5,482	(D)	...	(D)	...	(D)	...	(D)	...	...	...
1459	Clay and related minerals, nec:												
	Number of establishments	19	17	8	...	8	...	9	...	9	...	...	2
	Number of employees	493	(D)	(D)	...	(D)	...	432	...	432	...	...	(D)
	Value added in mining...$1,000	4,493	(D)	(D)	...	(D)	...	3,736	...	3,736	...	...	(D)
147	Chemical and fertilizer minerals:												
	Number of establishments	45	40	9	...	9	...	25	1	24	...	6	5
	Number of employees	3,753	3,737	17	...	17	...	3,034	(D)	(D)	...	686	16
	Value added in mining...$1,000	51,916	51,925	250	...	250	...	43,337	(D)	(D)	...	8,338	([3])
1475	Phosphate rock:												
	Number of establishments	33	31	7	...	7	...	19	...	19	...	5	2
	Number of employees	3,259	(D)	(D)	...	(D)	...	2,560	...	2,560	...	673	(D)
	Value added in mining...$1,000	47,822	(D)	(D)	...	(D)	...	39,660	...	29,660	...	7,928	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 23 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 20 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeds capital expenditures.
[4]Figures for 16 mines with combination and other methods in Virginia are included with those for underground mines.
[5]Figures for one open-pit mine in Virginia are included with those for underground mines.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

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Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
South Atlantic, total	4,875	4,701	174	11	3	3	1	9	13	4	14	2,655	53	854	38	143	41	27	281	25	304	24	86	97	45	16	127	1
No employees	291	285	6	2	...	...	...	3	1	...	...	81	3	121	1	...	2	...	3	...	20	3	4	3	2	2	40	...
1-4 employees	2,097	2,009	88	4	2	1	...	5	5	1	4	971	15	636	26	83	13	5	36	7	122	15	25	61	9	9	42	...
5-9 employees	839	808	31	...	...	...	1	...	1	2	...	581	17	45	2	28	12	2	28	3	58	2	7	24	5	4	17	...
10-19 employees	718	700	18	5	...	...	...	1	4	...	3	486	10	25	5	18	8	3	61	6	45	1	9	8	4	...	16	...
20-49 employees	516	494	22	...	...	1	...	...	1	1	3	259	7	16	2	14	4	11	112	8	41	2	22	1	3	...	8	...
50-99 employees	185	179	6	...	...	...	...	...	...	...	1	109	1	4	2	...	2	4	32	1	13	1	7	...	6	...	2	...
100-249 employees	137	136	1	...	1	...	...	...	1	...	3	92	...	4	...	...	...	...	9	...	4	...	7	...	14	...	1	1
250-499 employees	72	70	2	...	...	1	...	...	...	...	...	58	...	2	...	...	...	2	...	...	1	...	5	...	1	1	1	...
500 employees and over	20	20	...	...	...	...	...	...	...	...	...	18	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...

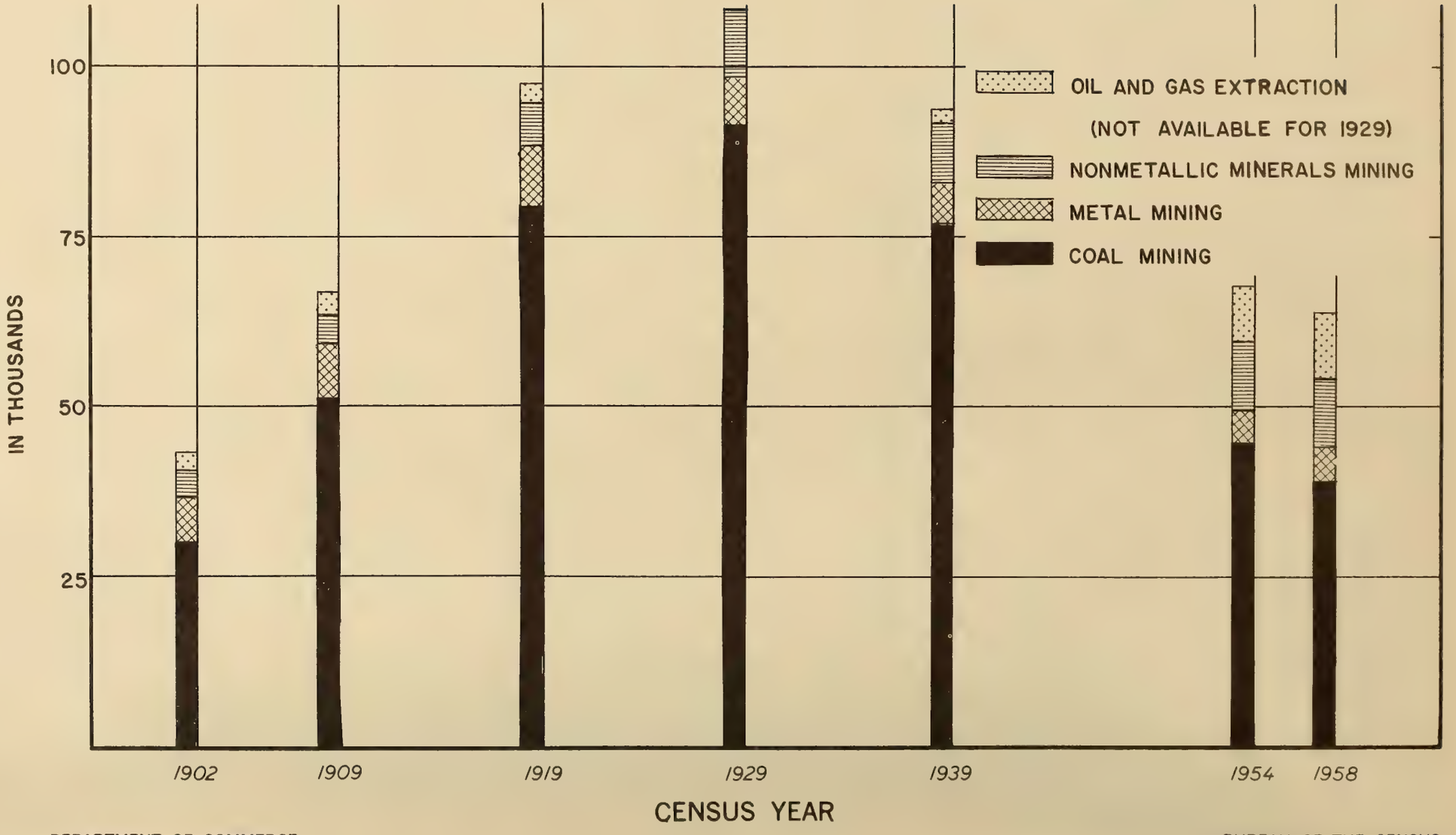
EAST SOUTH CENTRAL

99

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

EAST SOUTH CENTRAL



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

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Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	3,215	575	62,083	263,721	54,294	93,251	220,315	651,249	181,075	130,558	64,692	55,421	983,325	99,670	12,104	223
1954	3,073	581	66,628	240,006	60,615	104,304	206,919	[2]521,131	128,739	[2]39,311	41,495	44,401	[2]706,066	69,011	9,853	163
Including operations in manufactures: All operations:																
1958	3,311	595	63,755	269,247	55,890	96,375	225,400	671,834	[3]184,937	130,748	[3]64,695	[4]55,564	1,007,944	[4]99,834	[4]12,128	217
1954[5]	3,159	599	68,079	244,415	61,988	107,058	210,951	[2]533,168	131,679	[2]39,502	[3]41,500	[4]44,491	[2]721,230	[4]69,112	[4]9,867	159
1939[6]	[7]1,423	(NA)	93,949	96,023	89,522	134,469	86,990	130,531	25,930	(NA)	2,020	(NA)	158,481	(NA)	5,742	64
1919[8]	1,418	(NA)	97,565	111,745	90,680	(NA)	98,839	144,956	32,974	41	3,674	(NA)	181,645	(NA)	[9]14,315	158
1909[8]	935	(NA)	66,700	33,146	63,014	(NA)	29,490	40,562	7,392	170	1,020	(NA)	49,144	(NA)	(NA)	(NA)
1902[10]	[7]1,270	(NA)	43,383	22,787	[11]40,759	(NA)	20,446	30,392	4,174	(NA)	869	(NA)	35,435	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	2,396	489	54,045	226,618	47,835	80,595	192,848	464,705	[3]138,166	102,718	[3]17,648	[4]37,459	717,921	[4]42,775	[4]5,627	118
1954[5]	2,432	509	60,392	216,737	55,322	94,605	188,628	[2]383,599	[3]103,538	[2]37,545	[3]10,405	[4]27,358	[2]533,066	[4]29,381	[4]4,025	73
1939[6]	[7]1,258	(NA)	92,001	93,963	87,789	131,893	85,380	121,684	24,863	(NA)	579	(NA)	147,126	(NA)	5,265	60
1929[12]	952	(NA)	108,045	117,610	102,160	(NA)	105,042	151,384	32,113	(NA)	314	6,024	183,811	(NA)	8,768	86
1919[8]	1,213	(NA)	94,968	108,249	88,549	(NA)	96,180	126,231	28,675	...	3,409	(NA)	158,315	(NA)	[9]13,942	157
1909[8]	847	(NA)	66,416	32,968	62,787	(NA)	29,365	39,944	7,214	170	924	(NA)	48,252	(NA)	(NA)	(NA)
1902[10]	[7]1,152	(NA)	43,086	22,562	[11]40,597	(NA)	20,323	30,576	3,841	(NA)	479	(NA)	34,896	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry. For minerals received for preparation at natural gas liquids plants, excludes the cost of natural gas processed, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for the crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. Except for number of establishments, excludes data for one service operation and one nonproducing operation. For "Excluding oil and gas extraction industries," except for number of establishments, includes data for 5 nonproducing operations in the Crude Petroleum and Natural Gas Industry.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and stone quarries operated as parts of cement and lime plants. In 1939, there were 46 such clay and shale mines with products valued at $362 thousand. In 1929, there were 53 such sand and gravel establishments with products valued at nearly $6 million, and 19 such stone operations, 12 of which had products valued at $1,088 thousand. For 1919, excludes data for 3 nonproducing establishments and, except for number of establishments, excludes data for 2 clay mines in Mississippi. For "Excluding oil and gas extraction industries," except for number of establishments, in 1919 includes data for 3 establishments in the Crude Petroleum and Natural Gas Industry, and in 1909, for one such establishment.

[9]Excludes purchased electricity. For 1939, the quantity of purchased electricity amounted to nearly 9 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand, gravel, common clay, and shale operations. Includes data for 2 cement plants and for lime plants producing lime valued at $488 thousand. For "Excluding oil and gas extraction industries," except for number of establishments, includes data for 2 operations in the Crude Petroleum and Natural Gas Industry in Tennessee.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12]Excludes data for common clay and shale mining operations. In 1939, there were 46 such mines with products valued at $362 thousand.

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Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	3,311	595	63,755	269,247	55,890	96,375	225,400	671,834	[2]435,944	[3]1,007,944	[4]99,834	68,079	[5]533,168
	Mineral industries	3,215	575	62,083	263,721	54,294	93,251	220,315	651,249	431,746	983,325	99,670	66,628	[5]521,131
	Included in manufactures	96	20	[3]1,672	[3]5,526	[3]1,596	3,124	5,085	20,585	[2]4,198	[3]24,619	[4]164	[3]1,451	12,037
10	Metal mining	53	23	5,208	22,676	4,326	7,502	18,645	61,215	47,855	103,922	5,148	4,800	[5]30,922
1062	Ferroalloy ores (manganese ores)	9	1	121	422	101	218	322	613	459	992	80	152	794
12	Bituminous coal mining	1,746	301	38,684	167,704	34,529	53,873	144,267	304,972	200,480	480,152	25,300	44,713	269,763
1211	Bituminous coal	1,730	298	38,511	166,760	34,367	53,624	143,461	302,832	199,417	477,196	25,053	44,608	268,259
1213	Coal stripping services, nec	16	3	173	944	162	249	806	2,140	1,063	2,956	247	105	1,504
1214	Coal mining services, nec													
13	Oil and gas extraction	915	106	9,710	42,629	8,055	15,780	32,552	207,129	139,953	290,023	57,059	7,687	149,569
1311	Crude petroleum and natural gas	569	56	5,393	25,685	4,125	7,914	17,788	170,708	87,594	210,267	48,035	4,633	124,426
	Crude petroleum	503	49	4,399	21,483	3,338	6,528	14,853	146,556	76,612	184,345	38,823	4,220	109,353
	Natural gas	66	7	994	4,202	787	1,386	2,935	24,152	10,982	25,922	9,212	413	15,073
132	Natural gas liquids	11	5	230	1,306	202	400	1,103	9,011	33,473	37,543	4,941	236	7,283
138	Oil and gas field services	335	45	4,087	15,638	3,728	7,466	13,661	27,410	18,886	42,213	4,083	2,818	17,860
1381	Drilling oil and gas wells	259	25	2,288	8,737	2,087	4,047	7,625	17,985	14,330	29,422	2,893	2,002	13,397
1382	Oil and gas exploration services	16	4	862	3,837	789	1,711	3,213	3,714	1,540	4,569	685	816	4,463
1389	Oil and gas field services, nec	60	16	937	3,064	852	1,708	2,823	5,711	3,016	8,222	505		
	Nonmetallic minerals mining	597	165	10,153	36,238	8,980	19,220	29,936	98,518	[2]47,656	[3]133,847	[4]12,327	10,879	82,914
14	Mineral industries	501	145	8,481	30,712	7,384	16,096	24,851	77,933	43,458	109,228	12,163	9,428	70,877
	Included in manufactures	96	20	[3]1,672	[3]5,526	[3]1,596	3,124	5,085	20,585	[2]4,198	[3]24,619	[4]164	[3]1,451	12,037
	Dimension stone	45	13	1,277	3,622	1,178	2,192	3,125	6,076	1,985	7,657	404	1,440	5,745
1411	Mineral industry	33	5	304	727	281	459	671	1,306	411	1,477	240	1,440	5,745
	Included in manufactures	12	8	973	2,895	897	1,733	2,454	4,770	1,574	6,180	164		
	Dimension stone, nec	38	12	1,116	3,057	1,026	1,901	2,627	5,011	1,571	6,363	219	(NA)	(NA)
	Crushed and broken stone	227	87	4,487	15,851	4,002	8,555	13,478	45,548	[2]23,779	[3]62,647	[4]6,680	(NA)	(NA)
1421	Mineral industry	208	77	4,043	14,062	[3]3,558	7,667	11,689	37,868	21,994	53,182	6,680	(NA)	(NA)
	Included in manufactures	19	10	[3]444	[3]1,789	[3]444	888	1,789	7,680	[2]1,785	[3]9,465	(NA)	(NA)	(NA)
	Crushed and broken limestone (mineral subindustry)	190	73	3,858	13,549	3,397	7,346	11,211	36,584	21,414	51,718	6,280	3,433	23,639
	Sand and gravel	163	37	2,100	7,957	1,803	4,486	6,368	19,540	[2]8,796	[3]24,707	[4]3,629	(NA)	(NA)
1441	Mineral industry	155	35	2,030	7,743	1,733	4,347	6,154	17,848	8,593	22,812	3,629	2,166	14,450
	Included in manufactures	8	2	[3]70	[3]214	[3]70	139	214	1,692	[2]203	[3]1,895	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	142	33	1,893	7,304	1,620	4,110	5,785	16,675	8,115	21,457	3,333	(NA)	(NA)
	Glass sand and molding sand	13	2	137	439	113	237	369	1,173	478	1,355	296	(NA)	(NA)
	Clay and related minerals	113	16	1,180	4,008	1,023	1,971	3,202	16,637	[2]4,245	[3]20,181	(NA)	(NA)	(NA)
145	Mineral industries	56	16	998	3,380	841	1,606	2,574	9,400	3,609	12,308	701	(NA)	(NA)
	Included in manufactures	57	...	[3]182	[3]628	[3]182	365	628	7,237	[2]636	[3]7,873	(NA)	(NA)	(NA)
	Fire clay	30	3	[3]322	[3]1,266	[3]295	472	1,134	2,469	[2]761	3,135	[4]95	(NA)	(NA)
1453	Mineral industry	24	3	296	1,124	269	420	992	1,711	675	2,291	95	(NA)	(NA)
	Clay and related minerals, nec	60	4	305	985	289	571	861	7,401	[2]1,143	8,475	[4]69	300	2,309
1459	Mineral industry	9	4	149	499	133	258	375	922	593	1,446	69	113	577
	Included in manufactures	51	...	[3]156	[3]486	[3]156	313	486	6,479	[2]550	7,029	(NA)	187	1,732
147	Chemical and fertilizer minerals:													
1472	Barite	10	...	67	138	60	77	106	413	342	698	57	(NA)	(NA)
1475	Phosphate rock	18	8	760	3,631	645	1,415	2,838	8,723	6,871	15,302	292	791	9,605
148	Nonmetallic minerals services	5	1	73	222	67	123	201	455	293	669	79	224	1,767
149	Miscellaneous minerals, nec:													
1493	Mica	5	2	84	242	66	151	196	377	410	549	238	(NA)	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operation, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

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Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	431,746	181,075	130,558	64,692	55,421	99,670	27,901	71,769	xxx	xxx	xxx	xxx
10	Metal mining.....	47,855	[3]41,279	([3])	3,244	3,332	5,148	1,007	4,141	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	200,480	91,324	72,664	11,643	24,849	25,300	1,225	24,075	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	199,417	90,763	72,664	11,579	24,411	25,053	1,225	23,828	84,736	396,265	...	...
13	Oil and gas extraction.....	139,953	46,771	28,030	47,047	18,105	57,059	25,297	31,762	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	87,594	33,139	xxx	40,277	14,178	48,035	25,203	22,832	xxx	205,613	xxx	2,571
	Crude petroleum.....	76,612	28,337	xxx	35,595	12,680	38,823	19,643	19,180	[4]57,657	164,157	[4]1,893	5,502
	Natural gas.....	10,982	4,802	xxx	4,682	1,498	9,212	5,560	3,652	[5]116,864	22,751	[5]99,433	15,774
1321	Natural gas liquids.....	33,473	572	28,030	4,721	150	4,941	...	4,941	[6]7,312	[6]12,158	...	...
138	Oil and gas field services.....	18,886	13,060	xxx	2,049	3,777	4,083	94	3,989	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	14,330	9,816	xxx	1,869	2,645	2,893	62	2,831	xxx	[7]30,810	xxx	([7])
1389	Oil and gas field services, nec.....	3,016	2,378	xxx	110	528	505	32	473	xxx	[7]8,723	xxx	([7])
14	Nonmetallic minerals mining.....	43,458	[3]31,565	([3])	2,758	9,135	12,163	372	11,791	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	21,994	14,796	318	1,088	5,792	6,680	112	6,568	36,490	51,704	[8]7,954	[8]9,897
	Crushed and broken limestone.	21,414	14,444	313	1,054	5,603	6,280	112	6,168	36,135	50,302	[8]7,394	[8]9,586
1441	Sand and gravel.....	8,593	[3]5,706	([3])	820	2,067	3,629	56	3,573	20,664	[9]23,381	[8]1,290	([9])
	Common sand and gravel.....	8,115	[3]5,466	([3])	740	1,909	3,333	56	3,277	19,667	[9]21,711	[8]1,312	([9])
145	Clay and related minerals.....	3,609	2,799	...	367	443	701	81	620	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals:												
1475	Phosphate rock.....	6,871	3,790	2,428	304	349	292	29	263	[10]1,529	13,042	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is combined with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Represents net shipments of natural gas liquids only. Quantity figures are in thousands of barrels.

[7]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[8]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated. For crushed and broken limestone, also includes data for less than 40 thousand tons of other stone used in making cement.

[9]Figures for the value of primary products shipped in other industries or subindustries are included with those for the value of primary products shipped in the specified industry or subindustry. See also footnote 8.

[10]Represents thousands of long tons.

East South Central

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	2,856	2,764	2,002	1,196	231	575	682	250	361	71	80	92
	Number of employees	[3]57,566	[3]57,395	21,222	(D)	(D)	6,748	34,636	(D)	7,891	(D)	[3]1,537	171
	Value added in mining, $1,000	[3]619,563	[3]620,403	272,241	(D)	(D)	189,195	306,717	(D)	98,785	(D)	[3]41,445	[4]
10	Metal mining:												
	Number of establishments	50	48	14	6	8	...	32	6	25	1	2	2
	Number of employees	5,003	(D)	1,270	1,229	41	...	(D)	(D)	372	(D)	(D)	(D)
	Value added in mining, $1,000	59,420	(D)	8,852	8,643	209	...	(D)	(D)	3,275	(D)	(D)	(D)
1211	Bituminous coal:												
	Number of establishments	1,730	1,721	1,359	1,180	117	62	301	214	60	27	61	9
	Number of employees	38,511	38,473	13,249	10,997	883	1,369	24,460	20,852	2,081	1,527	764	38
	Value added in mining, $1,000	302,832	302,286	81,449	55,491	9,388	16,570	214,016	159,918	40,571	13,527	6,821	546
13	Oil and gas extraction:												
	Number of establishments	580	503	492	...	...	492	...	...	...	...	11	77
	Number of employees	5,623	5,543	5,313	...	...	5,313	...	...	...	...	230	80
	Value added in mining, $1,000	179,719	181,039	172,028	...	...	172,028	...	...	...	...	9,011	[4]
14	Nonmetallic minerals mining:												
	Number of establishments	496	492	137	10	106	21	349	30	276	43	6	4
	Number of employees	8,408	(D)	1,390	(D)	(D)	66	(D)	(D)	5,438	(D)	(D)	(D)
	Value added in mining, $1,000	77,478	(D)	9,912	(D)	(D)	597	(D)	(D)	54,939	(D)	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	208	208	18	2	16	...	189	25	164	...	1	...
	Number of employees	4,043	4,043	(D)	(D)	329	...	3,672	593	3,079	...	(D)	...
	Value added in mining, $1,000	37,868	37,868	(D)	(D)	2,636	...	34,916	4,270	30,646	...	(D)	...
	Crushed and broken limestone:												
	Number of establishments	190	190	13	2	11	...	177	25	152	...	...	...
	Number of employees	3,858	3,858	305	(D)	(D)	...	3,553	293	2,960	...	...	...
	Value added in mining, $1,000	36,584	36,584	2,613	(D)	(D)	...	33,971	4,270	29,701	...	...	...
1441	Sand and gravel:												
	Number of establishments	155	152	42	...	21	21	109	...	66	43	1	3
	Number of employees	2,030	2,023	177	...	111	66	(D)	...	1,043	(D)	(D)	7
	Value added in mining, $1,000	17,848	17,855	1,712	...	1,115	597	(D)	...	9,342	(D)	(D)	[4]
	Common sand and gravel:												
	Number of establishments	142	149	40	...	20	20	98	...	55	43	1	3
	Number of employees	1,893	1,886	(D)	...	(D)	(D)	1,720	...	(D)	(D)	(D)	7
	Value added in mining, $1,000	16,675	16,682	(D)	...	(D)	(D)	14,790	...	(D)	(D)	(D)	[4]
145	Clay and related minerals:												
	Number of establishments	56	56	29	6	23	...	27	1	26	...	...	...
	Number of employees	998	998	345	220	125	...	653	(D)	(D)	...	...	...
	Value added in mining, $1,000	9,400	9,400	2,250	1,059	1,191	...	7,150	(D)	(D)	...	...	...
1475	Phosphate rock:												
	Number of establishments	18	18	10	...	10	...	5	...	5	...	3	...
	Number of employees	760	760	(D)	...	(D)	...	520	...	520	...	(D)	...
	Value added in mining, $1,000	8,723	8,723	(D)	...	(D)	...	6,489	...	6,489	...	(D)	...

D Withheld to avoid disclosing data for individual companies.

[1] Includes data for 17 sand and gravel establishments for which the method of mining was not specified.

[2] Includes data for 6 sand and gravel establishments for which the method of mining was not specified.

[3] Includes data for one nonmetallic minerals services establishment in Mississippi.

[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 5 of the individual State Reports)

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

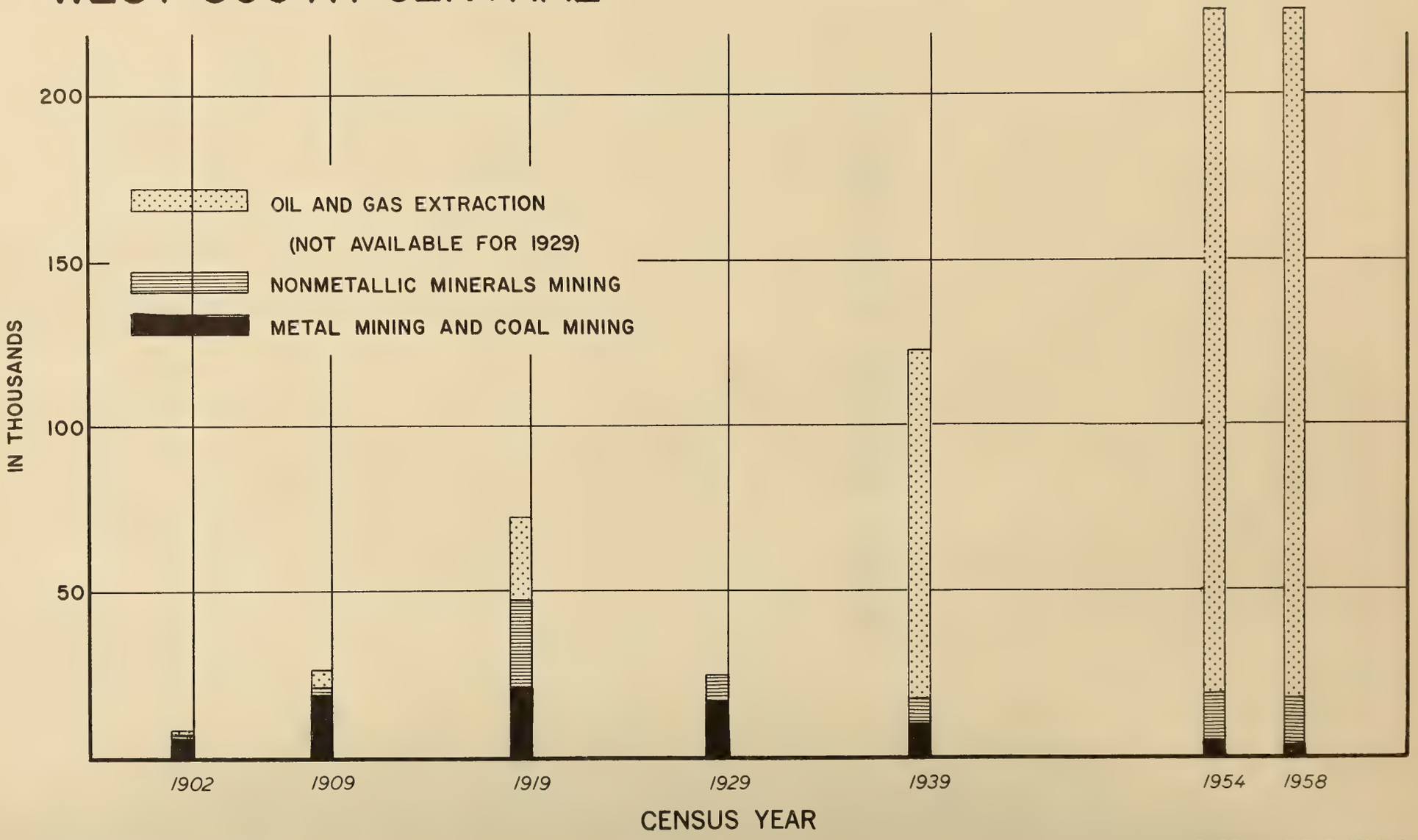
Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
East South Central, total	3,311	3,215	96	32	...	7	...	2	9	3	...	1,730	16	569	11	335	33	12	208	19	155	8	56	57	37	5	7	...
No employees	262	258	4	9	...	...	...	...	1	1	...	95	3	122	...	6	5	...	1	...	9	...	4	4	1	1	...	...
1-4 employees	1,270	1,222	48	5	...	...	...	...	2	...	...	649	5	279	3	163	12	2	21	2	56	4	14	40	10	...	3	...
5-9 employees	606	592	14	4	...	...	...	...	1	...	...	375	1	73	2	68	6	1	22	1	24	1	9	11	6	...	1	...
10-19 employees	578	568	10	1	...	1	...	1	4	...	...	313	4	39	1	53	5	1	87	6	31	1	13	2	11	3	1	...
20-49 employees	365	353	12	4	...	2	...	1	...	...	...	157	3	36	4	27	5	2	67	8	29	2	12	...	4	1	1	...
50-99 employees	110	107	3	3	...	1	...	...	1	2	...	52	...	12	1	13	...	1	9	2	6	...	3	...	3	...	1	...
100-249 employees	79	75	4	1	...	2	...	...	...	...	...	58	...	6	...	4	...	4	1	...	...	...	1	...	2	...	...	...
250-499 employees	31	30	1	3	...	1	...	...	...	...	...	25	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
500-999 employees	9	9	...	1	...	...	...	...	...	...	...	6	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
1,000-2,499 employees	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

WEST SOUTH CENTRAL

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

WEST SOUTH CENTRAL



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

West South Central

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts [1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	10,062	1,896	225,804	1,231,180	151,708	320,248	719,783	6,158,639	1,127,398	634,542	1,067,056	464,945	7,917,123	1,535,457	237,107	1,563
1954	9,179	1,906	223,679	1,044,616	165,208	358,039	688,469	[2]5,209,798	918,826	[3]149,323	1,029,501	615,825	[2]6,397,677	1,525,548	217,257	1,315
Including operations in manufactures: All operations:																
1958	10,216	1,918	227,261	1,236,506	153,129	323,006	724,927	6,186,121	[4]1,132,277	634,662	[4]1,067,092	[5]464,959	7,949,606	[5]1,535,505	[5]237,115	1,548
1954 [6]	9,306	1,938	225,433	1,049,222	166,957	361,436	693,048	[2]5,226,592	[4]922,678	[3]149,323	[4]1,029,511	[5]615,875	[2]6,418,352	[5]1,525,579	[5]217,268	1,301
1939 [7]	[8]6,252	(NA)	122,938	203,232	98,687	176,345	137,938	809,276	83,045	(NA)	122,948	(NA)	1,015,269	(NA)	106,337	1,078
1919 [9]	2,919	(NA)	72,172	109,758	60,805	(NA)	88,474	299,365	124,313	[10]11,026	48,023	(NA)	482,727	(NA)	[11]22,527	370
1909 [9]	1,302	(NA)	26,129	18,208	24,028	(NA)	15,748	35,312	9,541	[10]173	2,505	(NA)	47,531	(NA)	(NA)	(NA)
1902 [12]	[8]536	(NA)	8,532	5,279	[13]7,044	(NA)	4,363	7,072	1,402	(NA)	1,814	(NA)	10,288	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	869	214	17,285	78,617	14,161	30,664	59,338	254,299	[4]61,994	3,687	[4]11,018	[5]20,046	319,175	[5]31,869	[5]15,118	1,068
1954 [6]	840	213	18,822	71,141	16,598	36,255	59,417	[2]258,312	[4]58,994	[2]7,861	[4]8,492	[5]16,746	[2]331,121	[5]19,284	[5]16,184	975
1939 [7]	[8]626	(NA)	17,187	18,257	15,491	28,428	14,484	56,986	11,853	(NA)	420	(NA)	69,259	(NA)	5,919	382
1929 [14]	498	(NA)	24,201	31,772	22,314	(NA)	26,609	42,995	20,842	(NA)	443	4,229	64,280	(NA)	9,787	439
1919 [15]	429	(NA)	23,300	29,000	20,958	(NA)	25,680	44,611	14,094	...	550	(NA)	59,255	(NA)	[11]5,321	254
1909 [16]	363	(NA)	19,715	12,114	18,801	(NA)	11,175	14,157	2,488	...	137	(NA)	16,782	(NA)	(NA)	(NA)
1902 [17]	[8]237	(NA)	6,725	4,049	[13]6,273	(NA)	3,616	5,238	674	(NA)	186	(NA)	6,098	(NA)	(NA)	(NA)

NA Not available.

[1] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2] Excludes data for the Uranium-Radium-Vanadium Ores Industry. For "Minerals received for Preparation" for "Including operations in manufactures," see also footnote 4.

[3] Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained is such gas. See also footnote 2.

[4] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work, and in 1954 for dimension stone operations in manufactures, the cost of minerals received for preparation, is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5] Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6] Excludes data for sand and gravel mining operations in manufacturing establishments.

[7] Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries.

[8] Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9] Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. For 1929, there were 95 such sand and gravel establishments, with products valued at $10,607 thousand, and 15 such stone operations (the value of products of 11 of these stone operations was $991 thousand). See also footnote 14. For 1919, except for number of establishments, excludes data for one limestone and one sulfur establishment in Louisiana.

[10] Represents the cost of gas purchased as a material and for resale.

[11] Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 0.4 percent of the total kwh equivalent of energy used, and for "Excluding oil and gas extraction industries" in 1929, to 1.4 percent.

[12] Includes data for lime plants producing lime valued at $165 thousand and for 2 cement plants. Excludes data for sand and gravel and clay mining operations.

[13] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[14] Excludes data for common clay and shale operations. In 1939, there were 57 such mines with products valued at $448 thousand.

[15] Except for number of establishments, includes data for 28 nonproducing operations in the Oil and Gas Extraction Industries in Oklahoma. See also footnote 9.

[16] Except for number of establishments, includes data for 11 nonproducing operations in the Oil and Gas Extraction Industries in Oklahoma, and excludes data for one limestone and one sulfur establishment in Louisiana. See also footnote 9.

[17] Except for number of establishments, includes data for 3 establishments in the Oil and Gas Extraction Industries in Louisiana and Oklahoma. See also footnote 12.

West South Central

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All minerals operations	10,216	1,918	227,261	1,236,506	153,129	323,006	724,927	6,186,121	[2]3,298,990	[3]7,949,606	[4]1,535,505	225,433	[5]5,226,592
	Mineral industries	10,062	1,896	225,804	1,231,180	151,708	320,248	719,783	6,158,639	3,293,941	7,917,123	1,535,457	223,679	[5]5,209,798
	Included in manufactures	154	22	[3]1,457	[3]5,326	[3]1,421	2,758	5,144	27,482	[2]5,049	[3]32,483	[4]48	[3]1,754	16,794
10 & 12	Metal mining and Bituminous coal and lignite mining	148	32	2,742	13,822	2,142	4,164	10,480	39,458	13,309	50,057	2,710	4,313	[5]40,764
1051	Bauxite	18	8	632	3,381	447	813	2,182	15,023	3,607	17,241	1,389	806	12,383
1062	Ferroalloy ores (Manganese ores)	19	4	239	552	206	366	491	1,478	302	1,643	137	145	881
1211	Bituminous coal	60	14	1,059	5,524	974	1,797	5,002	10,618	4,622	14,413	827	1,622	11,637
13	Oil and gas extraction	9,347	1,704	209,976	1,157,889	138,968	292,342	665,589	5,931,822	3,202,245	7,630,431	1,503,636	206,611	4,968,271
1311	Crude petroleum and natural gas	5,625	576	112,039	668,127	58,320	116,523	293,901	4,654,605	1,967,863	5,302,044	1,320,424	103,867	3,856,800
	Crude petroleum	5,286	522	105,332	629,514	54,659	108,742	274,745	4,344,305	1,804,922	4,953,034	1,196,193	100,424	3,646,660
	Natural gas	339	54	6,707	38,613	3,661	7,781	19,156	310,300	162,941	349,010	124,231	3,443	210,140
1321	Natural gas liquids	387	213	12,275	71,006	9,763	19,649	54,347	440,047	728,473	1,103,100	65,420	12,837	[6]293,186
138	Oil and gas field services	3,335	915	85,662	418,756	70,885	156,170	317,341	837,170	505,909	1,225,287	117,792	89,907	818,285
1381	Drilling oil and gas wells	1,581	553	39,438	193,345	34,514	73,169	158,486	401,270	294,039	619,386	75,923	44,180	412,554
1382	Oil and gas exploration services	210	56	7,364	33,084	5,635	12,363	22,478	48,044	20,266	63,094	5,216	45,727	405,731
1389	Oil and gas field services, nec	1,544	306	38,860	192,327	30,736	70,638	136,377	387,856	191,604	542,807	36,653		
	Nonmetallic minerals mining	721	182	14,543	64,795	12,019	26,500	48,858	214,841	[2]83,436	[3]269,118	[4]29,159	14,509	217,557
14	Mineral industries	567	160	13,086	59,469	10,598	23,742	43,714	187,359	78,387	236,635	29,111	12,755	200,763
	Included in manufactures	154	22	[3]1,457	[3]5,326	[3]1,421	2,758	5,144	27,482	[2]5,049	[3]32,483	[4]48	[3]1,754	16,794
	Dimension stone	42	9	518	1,536	455	745	1,293	2,678	1,711	4,276	113	472	2,072
1411	Mineral industry	27	3	188	448	161	284	384	963	288	1,186	65	472	2,072
	Included in manufactures	15	6	330	1,088	294	461	909	1,715	1,423	3,090	48		
	Dimension stone, nec	23	1	119	208	100	133	179	417	111	505	23	(NA)	(NA)
	Mineral subindustry	18	...	77	145	63	100	122	326	80	385	21	(NA)	(NA)
	Included in manufactures	5	1	42	63	37	33	57	91	31	120	2	(NA)	(NA)
	Crushed and broken stone	100	47	2,762	11,209	2,437	5,805	9,632	29,529	[2]14,285	[3]40,967	(NA)	(NA)	(NA)
1421	Mineral industry	82	38	2,372	9,628	2,047	5,026	8,051	19,750	13,028	29,931	2,847	(NA)	(NA)
	Included in manufactures	18	9	[3]390	[3]1,581	[3]390	779	1,581	9,779	[2]1,257	[3]11,036	(NA)	(NA)	(NA)
	Crushed and broken limestone (Mineral subindustry only)	57	32	1,901	7,809	1,637	4,022	6,419	15,695	10,294	23,504	2,485	1,415	10,507
	Sand and gravel	372	78	4,782	18,318	4,217	9,966	15,462	48,866	[2]21,859	[3]64,126	(NA)	(NA)	(NA)
1441	Mineral industry	354	74	4,414	16,990	3,849	9,229	14,134	43,376	21,100	57,877	6,599	4,362	31,460
	Included in manufactures	18	4	[3]368	[3]1,328	[3]368	737	1,328	5,490	[2]759	[3]6,249	(NA)	(NA)	(NA)
	Common sand and gravel (Mineral subindustry only)	345	71	4,274	16,488	3,727	8,979	13,718	41,703	20,236	55,510	6,429	(NA)	(NA)
	Glass sand and molding sand	9	3	140	502	122	250	416	1,673	864	2,367	170	(NA)	(NA)
	Clay and related minerals	125	12	[3]809	[3]2,796	[3]746	1,586	2,351	6,820	[2]4,358	[3]10,473	[4]705	(NA)	(NA)
	Fire clay	13	1	[3]66	[3]217	[3]61	117	192	1,720	[2]224	[3]1,919	[4]25	(NA)	(NA)
	Clay and related minerals, nec	101	8	582	2,027	553	1,204	1,774	3,703	[2]3,061	[3]6,169	(NA)	648	3,935
1459	Mineral industry	15	7	341	1,274	312	722	1,021	2,198	2,081	3,684	595	164	1,803
	Included in manufactures	86	1	[3]241	[3]753	[3]241	482	753	1,505	[2]980	[3]2,485	(NA)	[3]484	2,132
147	Chemical and fertilizer minerals	41	25	4,804	27,560	3,428	6,940	17,719	114,252	37,900	133,901	18,251	(NA)	(NA)
1476	Rock salt	5	5	807	3,347	722	1,485	2,846	12,408	5,963	16,666	1,705	(NA)	(NA)
1479	Chemical-fertilizer mining, nec	10	...	72	342	56	102	253	2,294	475	2,708	61	(NA)	(NA)
148	Nonmetallic minerals services	10	1	265	661	259	419	636	1,000	158	1,121	37	67	354
	Miscellaneous minerals, nec	31	10	[3]603	[3]2,715	[3]477	1,039	1,765	11,696	[3]3,165	[3]14,254	[4]607	(NA)	(NA)

D Withheld to avoid disclosing figures for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same manufacturing establishment.
[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[5]Excludes figures for the Uranium-Radium-Vanadium Ores Industry.
[6]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of such gas was used in computing value added in mining.

West South Central

Table 2B.--Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	3,293,941	1,127,398	634,542	1,067,056	464,945	1,535,457	737,804	797,653	xxx	xxx	xxx	xxx
10 & 12	Metal mining and Bituminous coal and lignite mining	13,309	7,099	2,114	1,577	2,519	2,710	169	2,541	xxx	xxx	xxx	xxx
1051	Bauxite	3,607	[3]1,849	([3])	290	1,468	1,389	(D)	(D)	1,361	16,599	...	...
1211	Bituminous coal	4,622	3,382	...	784	456	827	107	720	2,047	14,354	...	...
13	Oil and gas extraction	3,202,245	1,070,283	630,975	1,056,074	444,913	1,503,636	737,326	766,310	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	1,967,863	670,203	xxx	977,401	320,259	1,320,424	726,806	593,618	xxx	5,268,830	xxx	36,540
	Crude petroleum	1,804,922	606,593	xxx	908,131	290,198	1,196,193	664,852	531,341	[4]1,393,618	4,264,630	[4]46,494	142,031
	Natural gas	162,941	63,610	xxx	69,270	30,061	124,231	61,954	62,277	[5]1,869,894	236,154	[5]5,807,064	662,555
1321	Natural gas liquids	728,473	39,633	630,975	33,320	24,545	65,420	xxx	65,420	[6]213,630	[6]506,431	...	...
138	Oil and gas field services	505,909	360,447	xxx	45,353	100,109	117,792	10,520	107,272	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	294,039	195,655	xxx	35,162	63,222	75,923	10,433	65,490	xxx	[7]609,118	xxx	([7])
1382	Oil and gas exploration services	20,266	14,000	xxx	1,905	4,361	5,216	...	5,216	xxx	[7]62,194	xxx	([7])
1389	Oil and gas field services, nec	191,604	150,792	xxx	8,286	32,526	36,653	87	36,566	xxx	[7]489,720	xxx	([7])
14	Nonmetallic minerals mining	78,387	50,016	1,453	9,405	17,513	29,111	309	28,802	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	13,028	9,766	27	360	2,875	2,847	31	2,816	23,112	28,919	[9]8,428	[9]13,371
	Crushed and broken limestone	10,294	8,061	20	202	2,011	2,485	31	2,454	18,226	22,748	[8] [9]8,379	[9]13,286
1441	Sand and gravel	21,100	[3]15,553	([3])	1,016	4,531	6,599	89	6,510	45,927	[7][9]61,580	[9]6,826	([7])
	Common sand and gravel	20,236	[3]14,864	([3])	1,013	4,359	6,429	87	6,342	45,062	[7][9]59,100	[9]6,856	([7])
147	Chemical and fertilizer minerals	37,900	[3]21,692	([3])	7,477	8,731	18,251	174	18,077	xxx	xxx	xxx	xxx
1476	Rock salt	5,963	4,458	...	36	1,469	1,705	9	1,696	[7]1,585	[7]14,638	([7])	([7])

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Represents net shipments of natural gas liquids only. The quantity is in thousands of barrels.

[7]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[8]Includes less than 40 thousand tons of stone other than limestone used in making cement.

[9]Includes figures for minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

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Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
				Mining only				Mines with preparation plants				Separately operated preparation plants	
			Total	Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	6,711	6,478	5,652	38	142	5,472	417	19	322	76	409	233
	Number of employees	139,847	139,286	(D)	(D)	(D)	115,248	10,131	1,002	7,492	1,637	(D)	561
	Value added in mining, $1,000	5,319,963	5,330,111	(D)	(D)	(D)	4,766,580	103,649	9,885	76,587	17,177	(D)	(3)
10	Metal mining:												
	Number of establishments	79	59	39	18	19	2	13	3	10	...	7	20
	Number of employees	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	...	(D)	(D)
	Value added in mining, $1,000	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	...	(D)	(D)
105	Bauxite:												
	Number of establishments	18	17	11	3	7	1	1	...	1	...	5	1
	Number of employees	632	(D)	(D)	(D)	211	(D)	(D)	...	(D)	...	(D)	(D)
	Value added in mining, $1,000	15,023	(D)	(D)	(D)	3,864	(D)	(D)	...	(D)	...	(D)	(D)
1211	Bituminous coal:												
	Number of establishments	60	59	33	20	13	...	25	10	15	...	1	1
	Number of employees	1,059	(D)	(D)	183	(D)	...	818	403	415	...	(D)	(D)
	Value added in mining, $1,000	10,618	(D)	(D)	983	(D)	...	9,130	2,612	6,518	...	(D)	(D)
13	Oil and gas extraction:												
	Number of establishments	6,012	5,811	5,425	...	...	5,425	...	...	...	...	386	201
	Number of employees	124,314	(D)	111,645	...	...	111,645	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	5,094,652	(D)	4,664,108	...	...	4,664,108	...	...	...	...	(D)	(D)
131	Crude petroleum and natural gas:												
	Number of establishments	5,625	5,425	5,425	...	...	5,425	...	...	...	...	...	200
	Number of employees	112,039	111,645	111,645	...	...	111,645	...	...	...	...	...	394
	Value added in mining, $1,000	4,654,605	4,664,108	4,664,108	...	...	4,664,108	...	...	...	...	...	(3)
132	Natural gas liquids:												
	Number of establishments	387	386	...	...	...	...	...	...	...	...	386	1
	Number of employees	12,275	(D)	...	...	...	...	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	440,047	(D)	...	...	...	...	...	...	...	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	557	546	153	...	108	45	378	6	296	76	15	11
	Number of employees	12,821	12,718	(D)	...	559	(D)	8,628	(D)	6,410	1,637	(D)	103
	Value added in mining, $1,000	186,359	184,002	(D)	...	4,693	(D)	83,565	(D)	59,309	17,177	(D)	2,357
142	Crushed and broken stone:												
	Number of establishments	82	79	8	...	8	...	68	2	66	...	3	3
	Number of employees	2,372	(D)	75	...	75	...	(D)	(D)	2,203	...	15	(D)
	Value added in mining, $1,000	19,750	(D)	463	...	463	...	(D)	(D)	18,330	...	35	(D)
	Crushed and broken limestone:												
	Number of establishments	57	56	2	...	2	...	52	2	50	...	2	1
	Number of employees	1,901	(D)	(D)	...	(D)	...	(D)	(D)	1,811	...	(D)	(D)
	Value added in mining, $1,000	15,695	15,695	(D)	...	(D)	...	(D)	(D)	14,732	...	(D)	...
144	Sand and gravel:												
	Number of establishments	354	353	95	...	62	33	258	...	185	73	...	1
	Number of employees	4,414	(D)	338	...	253	85	(D)	...	3,212	(D)	...	(D)
	Value added in mining, $1,000	43,376	(D)	3,340	...	2,325	1,015	(D)	...	29,937	(D)	...	(D)

See footnotes at end of table.

West South Central

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958—Continued

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	Nonmetallic minerals mining—Continued												
147	Chemical and fertilizer minerals:												
	Number of establishments	41	36	12	...	...	12	12	4	5	3	12	5
	Number of employees	4,804	(D)	(D)	...	...	(D)	1,241	522	(D)	(D)	140	(D)
	Value added in mining, $1,000	114,252	(D)	(D)	...	...	(D)	17,645	6,537	(D)	(D)	2,662	(D)
1476	Rock salt:												
	Number of establishments	5	5	...	...	...	...	5	3	...	2	...	...
	Number of employees	807	807	...	...	...	...	807	(D)	...	(D)	...	...
	Value added in mining, $1,000	12,408	12,408	...	...	...	...	12,408	(D)	...	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 30 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 19 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

West South Central

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
West South Central, total	10,216	10,062	154	6	1	26	2	18	19	2	7	63	4	5,625	387	3,335	27	15	82	18	354	18	28	97	41	10	25	6
No employees	886	878	8	...	...	4	1	1	2	1	...	13	2	713	4	93	6	...	2	...	28	...	2	8	...	...	6	...
1-4 employees	4,502	4,417	85	2	1	9	1	6	7	...	7	21	...	3,086	29	1,067	9	5	19	1	126	9	5	70	8	7	7	...
5-9 employees	1,500	1,478	22	1	...	10	...	2	4	1	...	7	1	708	48	611	6	2	9	1	62	2	3	16	2	2	1	1
10-19 employees	1,410	1,393	17	...	...	2	...	1	2	...	...	6	1	542	93	649	3	2	14	7	64	3	7	2	6	...	3	3
20-49 employees	1,250	1,231	19	2	...	...	...	6	2	...	...	11	...	329	154	617	3	5	25	9	63	2	9	1	5	...	5	2
50-99 employees	405	404	1	...	...	1	...	...	2	...	...	2	...	126	47	198	...	...	10	...	9	1	2	...	4	...	3	...
100-249 employees	174	172	2	1	...	...	...	2	...	...	...	2	...	66	12	70	...	1	3	...	2	1	...	...	13	1	...	...
250-499 employees	44	44	...	...	...	...	...	...	...	...	...	1	...	27	...	14	...	...	...	...	...	...	...	...	2	...	...	...
500-999 employees	23	23	...	...	...	...	...	...	...	...	...	...	...	14	...	8	...	...	...	...	...	...	...	...	1	...	...	...
1,000-2,499 employees	17	17	...	...	...	...	...	...	...	...	...	...	...	11	...	6	...	...	...	...	...	...	...	...	...	...	...	...
2,500 employees and over	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...

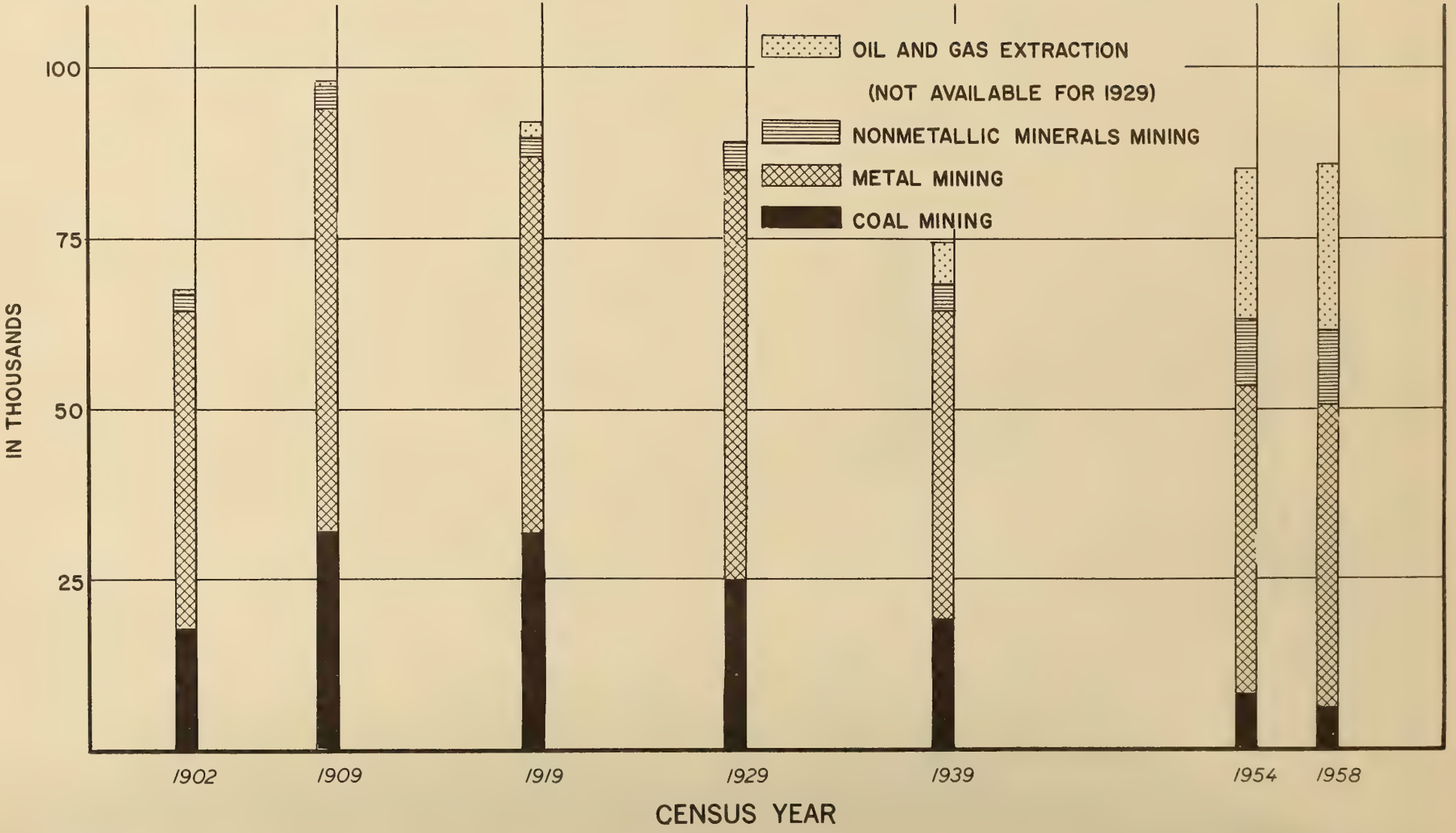
MOUNTAIN

115

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MOUNTAIN



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Mountain

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	3,803	566	84,958	463,478	64,732	128,802	329,888	1,745,655	[2]436,182	[2]288,677	315,021	142,625	2,447,655	480,505	46,449	718
1954	4,551	556	84,662	393,746	68,713	140,458	301,851	[3]1,305,463	312,916	[4]140,363	256,342	128,584	[3]1,768,451	364,677	38,360	558
Including operations in manufactures:																
All operations:																
1958	3,916	574	85,806	467,344	65,575	130,461	333,739	1,770,199	[2]439,627	[2]288,677	[5]315,027	[6]142,670	2,475,644	[6]480,556	[6]46,451	708
1954[7]	4,612	561	85,066	395,178	69,114	141,253	303,275	[3]1,313,850	[5]314,283	[4]140,363	[5]256,353	[6]128,606	[3]1,778,236	[6]364,679	[6]38,361	555
1939[8]	[9]2,351	(NA)	74,096	111,751	66,711	129,846	93,717	283,834	64,167	(NA)	13,242	(NA)	361,243	(NA)	18,846	282
1919[10]	1,948	(NA)	91,738	151,338	84,708	(NA)	136,053	231,748	80,157	6,254	3,667	(NA)	321,826	(NA)	[11]16,318	193
1909[10]	4,378	(NA)	97,694	100,088	91,775	(NA)	90,578	126,770	57,358	15,606	5,320	(NA)	205,054	(NA)	(NA)	(NA)
1902[12]	[9]4,636	(NA)	67,507	67,087	[13]61,711	(NA)	59,350	86,118	24,304	(NA)	2,124	(NA)	112,546	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	2,316	299	61,170	323,833	49,548	96,582	250,751	796,237	[2]263,655	[2]215,362	[5]109,400	[6]61,730	1,267,281	[6]179,103	[6]19,477	393
1954[7]	3,194	295	62,549	287,666	52,557	107,158	230,646	[3]667,368	[5]187,503	[3]134,981	[5]74,211	[14]54,671	[3]997,903	[14]110,336	[6]16,716	318
1939[8]	[9]1,861	(NA)	68,044	101,286	61,756	122,828	85,753	226,574	60,528	(NA)	1,906	(NA)	289,008	(NA)	15,810	256
1929[15]	1,551	(NA)	88,572	154,720	82,517	(NA)	137,695	311,733	82,784	(NA)	5,136	19,711	399,653	(NA)	13,405	162
1919[10]	1,882	(NA)	89,272	147,013	82,356	(NA)	132,251	214,940	75,440	6,180	2,894	(NA)	299,454	(NA)	[11]15,278	186
1909[16]	4,333	(NA)	97,534	99,925	91,632	(NA)	90,432	126,751	57,080	15,606	5,280	(NA)	204,717	(NA)	(NA)	(NA)
1902[17]	[9]4,619	(NA)	67,337	66,934	[13]61,564	(NA)	59,240	85,712	24,235	(NA)	2,114	(NA)	112,061	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Figures for minerals received for preparation in Nevada are included with those for supplies, purchases for resale, and purchased fuels and electricity. For "Including operations in manufactures," see also footnote 5.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]Excludes the cost of natural gas processed at natural gas liquid plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas. See also footnote 3.

[5]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[6]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[7]Excludes data for sand and gravel mining operations in manufacturing establishments and, except for number of establishments, excludes data for one dimension sandstone quarry and dressing plant and for one common clay pit in New Mexico.

[8]Excludes, in part, data for dimension stone dressing plants operated in conjunction with quarries.

[9]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[10]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime plants. For 1929, there were 18 such sand and gravel establishments, with products valued at $1,596 thousand and 13 such stone operations. See also footnote 15.

[11]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to 7 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to 9 percent.

[12]Includes data for lime plants and for 2 cement plants; the value of lime produced in 5 of the Mountain States was $229 thousand. Excludes data for sand and gravel and clay mining operations and for stone quarries at other cement plants.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[14]Includes data for 7 establishments primarily engaged in building, repairing, or dismantling rigs and derricks. See also footnote 6.

[15]Excludes data for common clay and shale operations. In 1939, there were 27 such mining operations with products valued at about $190 thousand.

[16]Except for number of establishments, includes data for 11 nonproducing oil and gas extraction establishments in Montana, Wyoming, Colorado, and Arizona. See also footnote 10.

[17]Except for number of establishments, includes data for 2 companies in Wyoming primarily engaged in producing crude petroleum, and for 3 companies in Colorado primarily engaged in producing natural gas. See also footnote 12.

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Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	3,916	574	85,806	467,344	65,575	130,461	333,739	1,770,199	[2]1,186,001	[2]2,475,644	[4]480,556	85,066	[5]1,313,850
	Mineral industries	3,803	566	84,958	463,478	64,732	128,802	329,888	1,745,655	1,182,505	2,447,655	480,505	84,662	[5]1,305,463
	Included in manufactures	113	8	[3]848	[3]3,866	[3]843	1,659	3,851	24,544	[2]3,496	[3]27,989	[4]51	[3]404	8,387
10	Metal mining	1,394	175	44,680	238,238	35,721	71,164	182,693	570,739	550,203	968,300	152,642	45,403	[5]504,531
1011	Iron ores	29	8	938	5,384	724	1,337	3,883	27,732	5,811	32,019	1,524	(NA)	(NA)
102, 103, & 104	Copper lead, zinc, gold, and silver ores	537	70	30,597	161,290	24,234	47,391	123,015	304,824	254,499	511,418	47,905	(NA)	(NA)
106	Ferroalloy ores:													
1062	Manganese ores	123	15	1,504	7,113	1,284	2,514	5,704	14,307	14,716	27,718	1,305	1,826	13,513
1069	Ferroalloy ores, nec	12	5	2,209	11,901	1,775	3,274	8,590	36,874	13,194	46,325	3,743	(NA)	(NA)
108	Metal mining services	64	13	1,341	7,615	1,203	2,629	6,686	15,329	6,918	21,269	978	2,067	18,667
1081	Metal mining stripping services	20	4	371	1,610	354	699	1,527	6,460	1,829	7,535	754	(NA)	(NA)
1082	Metal mining services, nec	44	7	970	6,005	849	1,930	5,159	8,869	5,089	13,734	224	(NA)	(NA)
109	Miscellaneous metal ores:													
1094	Uranium-radium-vanadium ores	548	58	7,609	42,658	6,121	13,286	33,078	167,557	252,950	324,039	96,468	3,337	(NA)
12	Bituminous coal and lignite mining	221	48	5,735	28,744	5,005	7,915	24,190	48,790	37,441	78,062	8,169	7,665	(NA)
1211	Bituminous coal	203	47	5,666	28,429	4,946	7,818	23,941	48,051	36,899	77,040	7,910	7,449	49,936
13	Oil and gas extraction	1,600	275	24,636	143,511	16,027	33,879	82,988	973,962	535,854	1,208,363	301,453	22,517	646,437
1311	Crude petroleum and natural gas	1,001	114	14,501	89,686	7,121	14,172	38,005	841,883	384,139	951,170	274,852	12,167	529,746
	Crude petroleum	903	103	12,718	80,506	5,864	11,760	32,083	788,708	317,078	896,491	209,295	11,418	509,387
	Natural gas	98	11	1,783	9,180	1,257	2,412	5,922	53,175	67,061	54,679	65,557	749	20,359
1321	Natural gas liquids	53	22	1,205	7,151	1,055	2,128	6,247	39,408	92,596	116,952	15,052	1,007	[6]35,023
138	Oil and gas field services	546	139	8,930	46,674	7,851	17,579	38,736	92,671	59,119	140,241	11,549	9,343	81,668
1381	Drilling oil and gas wells	264	95	5,946	32,932	5,213	11,618	27,230	65,355	46,002	102,928	8,429	6,265	59,474
1382	Oil and gas exploration services	68	10	810	4,071	703	1,726	3,266	8,167	5,692	12,902	957	3,078	22,194
1389	Oil and gas field services, nec	214	34	2,174	9,671	1,935	4,235	8,240	19,149	7,425	24,411	2,163		
	Nonmetallic minerals mining	701	76	10,755	56,851	8,822	17,503	43,868	176,708	[2]62,503	[3]220,919	[4]18,292	9,481	(NA)
14	Mineral industries	588	68	9,907	52,985	7,979	15,844	40,017	152,164	59,007	192,930	18,241	9,077	(NA)
	Included in manufactures	113	8	[3]848	[3]3,866	[3]843	1,659	3,851	24,544	[2]3,496	[3]27,989	[4]51	[3]404	8,387
	Dimension stone	47	...	116	340	104	195	297	694	342	869	167	194	968
	Dimension stone, nec	42	...	97	270	87	154	232	586	271	708	149	(NA)	(NA)
	Mineral subindustry	34	...	73	205	66	121	177	476	125	497	104	(NA)	(NA)
	Crushed and broken stone	90	11	1,062	5,705	927	1,839	4,707	17,318	[2]7,048	[3]21,646	(NA)	(NA)	(NA)
1421	Mineral industry	69	8	874	4,798	739	1,463	3,800	10,371	6,162	13,813	2,720	(NA)	(NA)
	Included in manufactures	21	3	[3]188	[3]907	[3]188	376	907	6,947	[2]886	[3]7,833	(NA)	(NA)	(NA)
	Crushed and broken limestone (mineral subindustry only)	35	6	483	2,487	402	762	1,819	4,612	3,653	6,152	2,113	368	3,207
	Crushed and broken stone, nec (mineral subindustry only)	28	2	353	2,144	304	627	1,837	5,537	2,270	7,213	594	(NA)	(NA)
	Sand and gravel	283	18	2,346	11,438	2,061	4,230	9,833	43,303	[2]10,094	[3]49,670	(NA)	(NA)	(NA)
1441	Mineral industry	227	15	1,869	9,171	1,584	3,276	7,566	30,507	8,439	35,219	3,727	1,597	16,392
	Included in manufactures	56	3	[3]477	[3]2,267	[3]477	954	2,267	12,796	[2]1,655	[3]14,451	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	218	14	1,813	8,895	1,536	3,176	7,341	29,979	8,134	34,447	3,666	(NA)	(NA)
	Glass sand and molding sand	9	1	56	276	48	100	225	528	305	772	61	(NA)	(NA)
145	Clay and related minerals (mineral industries only)	70	11	670	3,251	545	1,144	2,521	12,863	5,898	16,721	2,040	(NA)	(NA)
	Fire clay	18	...	[3]53	[3]199	[3]51	102	193	778	[2]151	[3]866	[4]63	(NA)	(NA)
	Clay and related minerals, nec	32	1	137	599	127	252	547	1,904	[2]872	[3]2,609	(NA)	98	1,329
1459	Mineral industry	15	1	98	438	88	174	386	659	689	1,181	167	34	357
	Included in manufactures	17	...	[3]39	[3]161	[3]39	78	161	1,245	[2]183	[3]1,428	(NA)	[3]64	972
147	Chemical and fertilizer minerals	72	21	5,106	29,419	3,959	7,648	21,491	83,438	29,507	107,357	5,588	(NA)	(NA)
1473	Fluorspar	19	3	241	1,227	219	480	1,053	4,640	1,828	6,031	437	(NA)	(NA)
1475	Phosphate rock	9	7	653	3,394	554	1,086	2,733	7,138	5,113	11,268	983	701	6,469
149	Miscellaneous minerals, nec (mineral industries only)	97	11	1,075	5,050	877	1,808	3,616	12,448	8,145	16,767	3,826	(NA)	(NA)
1492	Gypsum (mineral industry only)	10	...	67	332	60	121	289	871	323	1,044	150	92	1,372
1495	Pumice and pumicite	27	...	114	450	101	192	398	1,995	817	2,580	232	98	1,414
1499	Nonmetallic minerals, nec	29	9	599	2,656	483	1,063	1,938	5,317	5,210	7,646	2,881	465	4,899

NA Not available. [1]Excludes data for sand and gravel mining operations in manufacturing establishments. [2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed. [3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations. [4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. [5]Excludes figures for the Uranium-Radium-Vanadium Ores Industry. [6]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas at natural gas liquids plants. However, the estimated value, prior to processing, of liquids contained in such gas was used in computing value added in mining.

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Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	1,182,505	[3]436,182	[3]288,677	315,021	142,625	480,505	181,986	298,519	xxx	xxx	xxx	xxx
10	Metal mining	550,203	196,932	212,063	97,965	43,243	152,642	29,004	123,638	xxx	xxx	xxx	xxx
1011	Iron ores	5,811	[4]2,008	([4])	3,027	776	1,524	706	818	[5]4,642	32,010	...	...
102, 103, &104	Copper lead, zinc, gold, and silver ores	254,499	111,018	100,906	22,258	20,317	47,905	11,463	36,442	[6]85,461	xxx	xxx	xxx
106	Ferroalloy ores:												
1062	Manganese ores	14,716	[4]11,370	([4])	2,552	794	1,305	217	1,088	[7]1,138	[7]26,178	([7])	([7])
1069	Ferroalloy ores, nec	13,194	9,133	...	3,428	633	3,743	743	3,000	xxx	xxx	xxx	xxx
108	Metal mining services	6,918	5,580	xxx	368	970	978	...	978	xxx	(D)	xxx	(D)
1081	Metal mining stripping services	1,829	962	xxx	121	746	754	...	754	xxx	(D)	xxx	(D)
1082	Metal mining services, nec	5,089	4,618	xxx	247	224	224	...	224	xxx	(D)	xxx	(D)
109	Miscellaneous metal ores:												
1094	Uranium-radium-vanadium ores	252,950	61,963	105,300	66,308	19,379	96,468	15,827	80,641	[6]5,272	(D)	(NA)	(D)
12	Bituminous coal and lignite mining	37,441	[4]26,968	([4])	5,088	5,385	8,169	444	7,725	xxx	xxx	xxx	xxx
1211	Bituminous coal	36,899	[4]26,694	([4])	5,074	5,131	7,910	394	7,516	10,394	62,996	...	...
13	Oil and gas extraction	535,854	175,972	73,315	205,627	80,940	301,453	150,701	150,752	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	384,139	128,041	xxx	192,657	63,441	274,852	150,114	124,738	xxx	948,573	xxx	2,751
	Crude petroleum	317,078	95,390	xxx	162,497	59,191	209,295	113,667	95,628	[8]301,543	845,144	[8]3,277	9,314
	Natural gas	67,061	32,651	xxx	30,160	4,250	65,557	36,447	29,110	[9]392,325	46,641	[9]557,445	50,225
1321	Natural gas liquids	92,596	6,467	73,315	4,698	8,116	15,052	xxx	15,052	[10]22,633	[10]45,386	...	...
138	Oil and gas field services	59,119	41,464	xxx	8,272	9,383	11,549	587	10,962	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	46,002	32,749	xxx	6,858	6,395	8,429	584	7,845	xxx	[11]102,409	xxx	([11])
1382	Oil & gas exploration services	5,692	3,690	xxx	1,103	899	957	...	957	xxx	[11]11,956	xxx	([11])
1389	Oil and gas field services, nec	7,425	5,025	xxx	311	2,089	2,163	3	2,160	xxx	[11]23,801	xxx	([11])
14	Nonmetallic minerals mining	59,007	38,893	716	6,341	13,057	18,241	1,837	16,404	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	6,162	3,498	13	481	2,170	2,720	57	2,663	14,189	13,031	[12]4,712	[12]8,003
	Crushed and broken limestone	3,653	1,553	13	84	2,003	2,113	57	2,056	2,686	5,581	[12]4,478	[12]7,835
	Crushed and broken stone, nec	2,270	1,728	...	388	154	594	...	594	11,368	7,144	[12]267	[12]227
1441	Sand and gravel	8,439	[4]6,751	([4])	470	1,218	3,727	70	3,657	47,205	[11]48,001	[12]11,992	([11])
	Common sand and gravel	8,134	[4]6,766	([4])	317	1,051	3,666	67	3,599	46,791	[11]47,210	[12]11,987	([11])
145	Clay and related minerals	5,898	[4]3,941	([4])	985	972	2,040	138	1,902	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals	29,507	[4]20,798	([4])	3,169	5,540	5,588	1,162	4,426	xxx	xxx	xxx	xxx
1473	Fluorspar	1,828	[4]1,098	([4])	494	236	437	194	243	(D)	(D)	...	...
1475	Phosphate rock	5,113	[4]2,755	([4])	1,875	483	983	330	653	[5]1,859	9,000	...	...
149	Miscellaneous minerals, nec	8,145	[4]4,035	([4])	1,091	3,019	3,826	398	3,428	xxx	xxx	xxx	xxx
1499	Nonmetallic minerals, nec	5,210	[4]2,151	([4])	573	2,486	2,881	139	2,742	xxx	(D)	xxx	(NA)

D Withheld to avoid disclosing figures for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for minerals received for preparation in Nevada are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]Figures for the cost of minerals received for preparation are included with figures for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Represents thousands of long tons.

[6]Represents crude ore mined in the specified industries. The figure for copper, lead, zinc, gold, and silver ores excludes placer gravels handled in recovering placer gold and silver.

[7]Figures for shipments of primary products by establishments classified in other industries are included with those for shipments by establishments classified in the specified industry. The quantity figure represents thousands of long tons of crude ore mined. The value figure represents gross shipments.

[8]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[9]Represents millions of cubic feet of natural gas shipped.

[10]Represents natural gas liquids only. The quantity figure is in thousands of barrels.

[11]Figures for primary products shipped or services performed in other industries are included with those for primary products shipped or services performed in the specified industry. For Sand and Gravel and for Common Sand and Gravel, see also footnote 12.

[12]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

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Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments...	3,171	2,575	1,877	612	413	852	596	195	350	51	102	596
	Number of employees.....	74,405	72,365	29,218	6,928	5,575	16,715	34,931	20,801	12,070	2,060	8,216	2,040
	Value added in mining.....$1,000..	1,635,093	1,646,981	1,067,927	101,934	93,630	872,363	474,507	235,687	187,806	51,014	104,547	(3)
10	Metal mining:												
	Number of establishments.....	1,330	946	759	522	219	18	149	58	78	13	38	384
	Number of employees.....	43,339	42,189	14,061	6,550	4,808	2,703	21,235	11,182	8,525	1,528	6,893	1,150
	Value added in mining..$1,000..	555,410	557,920	194,325	99,499	76,777	18,049	300,977	118,623	137,277	45,077	62,618	(3)
1011	Iron ores:												
	Number of establishments.....	29	26	23	1	22	...	3	...	3	...	...	3
	Number of employees.....	938	938	(D)	(D)	588	...	(D)	...	(D)	...	...	...
	Value added in mining.....$1,000..	27,732	28,263	(D)	(D)	24,158	...	(D)	...	(D)	...	...	(3)
102, 103, & 104	Copper, lead, zinc, gold, and silver ores:												
	Number of establishments.....	537	309	208	150	53	5	89	43	41	5	12	228
	Number of employees.....	30,597	29,846	9,228	3,012	3,743	2,473	16,432	8,471	7,860	101	4,186	751
	Value added in mining.....$1,000..	304,824	306,609	(D)	28,373	42,046	(D)	(D)	69,288	(D)	681	28,403	(3)
1062	Manganese ores:												
	Number of establishments.....	123	111	76	21	53	2	31	9	22	...	4	12
	Number of employees.....	1,504	1,479	(D)	661	141	(D)	(D)	(D)	310	...	(D)	25
	Value added in mining.....$1,000..	14,307	14,333	(D)	5,357	1,583	(D)	(D)	(D)	4,818	...	(D)	(3)
1069	Ferroalloy ores, nec:												
	Number of establishments.....	12	5	1	...	1	...	4	2	1	1	...	7
	Number of employees.....	2,209	(D)	(D)	...	(D)	...	(D)	(D)	(D)	(D)	...	(D)
	Value added in mining.....$1,000..	36,874	(D)	(D)	...	(D)	...	(D)	(D)	(D)	(D)	...	(D)
1094	Uranium-radium-vanadium ores:												
	Number of establishments.....	548	439	410	334	68	8	10	5	2	3	19	109
	Number of employees.....	7,609	7,399	3,103	2,574	299	230	1,773	615	(D)	(D)	2,523	210
	Value added in mining.....$1,000..	167,557	168,020	74,707	62,958	8,786	2,963	61,326	17,425	(D)	(D)	31,987	(3)
12	Bituminous coal and lignite mining:												
	Number of establishments.....	215	214	85	76	9	...	126	108	15	3	3	1
	Number of employees.....	5,693	(D)	(D)	263	(D)	...	5,356	5,026	280	50	33	(D)
	Value added in mining..$1,000..	48,248	(D)	(D)	1,595	(D)	...	46,220	42,245	3,692	283	341	(D)
1211	Bituminous coal:												
	Number of establishments.....	203	202	75	70	5	...	124	108	13	3	3	1
	Number of employees.....	5,666	(D)	289	250	39	...	(D)	5,026	(D)	50	33	(D)
	Value added in mining.....$1,000..	48,051	(D)	1,612	1,541	71	...	(D)	42,245	(D)	283	341	(D)
13	Oil and gas extraction:												
	Number of establishments.....	1,054	862	810	...	...	810	...	...	...	...	52	192
	Number of employees.....	15,706	(D)	13,671	...	...	13,671	...	...	...	...	(D)	(D)
	Value added in mining..$1,000..	881,291	(D)	851,286	...	...	851,286	...	...	...	...	(D)	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments.....	1,001	810	810	...	...	810	...	...	...	...	...	191
	Number of employees.....	14,501	13,671	13,671	...	...	13,671	...	...	...	...	...	830
	Value added in mining.....$1,000..	841,883	851,286	851,286	...	...	851,286	...	...	...	...	...	(3)
1321	Natural gas liquids:												
	Number of establishments.....	53	52	...	...	...	...	...	...	...	...	52	1
	Number of employees.....	1,205	(D)	...	...	...	...	...	...	...	...	(D)	(D)
	Value added in mining.....$1,000..	39,408	(D)	...	...	...	...	...	...	...	...	(D)	(D)

See footnotes at end of table.

Mountain

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958—Continued

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	Nonmetallic minerals mining:												
	Number of establishments	572	553	223	14	185	24	321	29	257	35	9	19
	Number of employees	9,667	(D)	(D)	115	(D)	341	8,340	4,593	3,265	482	(D)	(D)
	Value added in mining...$1,000	150,144	(D)	(D)	840	(D)	3,028	127,310	74,819	46,837	5,654	(D)	(D)
142	Crushed and broken stone:												
	Number of establishments	69	68	17	...	17	...	50	2	48	...	1	1
	Number of employees	874	(D)	62	...	62	...	(D)	(D)	745	...	(D)	(D)
	Value added in mining...$1,000	10,371	(D)	677	...	677	...	(D)	(D)	9,276	...	(D)	(D)
	Crushed and broken limestone:												
	Number of establishments	35	35	7	...	7	...	27	2	25	...	1	...
	Number of employees	483	483	37	...	37	...	(D)	(D)	379	...	(D)	...
	Value added in mining...$1,000	4,612	4,612	366	...	366	...	(D)	(D)	3,826	...	(D)	...
	Crushed and broken stone, nec:												
	Number of establishments	28	27	8	...	8	...	19	...	19	...	...	1
	Number of employees	353	(D)	(D)	...	(D)	...	330	...	330	...	...	(D)
	Value added in mining...$1,000	5,537	(D)	(D)	...	(D)	...	5,247	...	5,247	...	...	(D)
144	Sand and gravel:												
	Number of establishments	227	227	67	...	45	22	157	...	133	24	3	...
	Number of employees	1,869	1,869	(D)	...	406	(D)	1,412	...	1,182	230	(D)	...
	Value added in mining...$1,000	30,507	30,507	(D)	...	12,723	(D)	16,912	...	14,489	2,423	(D)	...
	Common sand and gravel:												
	Number of establishments	218	218	65	...	43	22	150	...	127	23	3	...
	Number of employees	1,813	1,813	440	...	(D)	(D)	(D)	...	1,135	(D)	(D)	...
	Value added in mining...$1,000	29,979	29,979	13,128	...	(D)	(D)	(D)	...	14,032	(D)	(D)	...
145	Clay and related minerals:												
	Number of establishments	70	66	50	2	46	2	16	...	16	...	...	4
	Number of employees	670	660	174	(D)	(D)	(D)	486	...	486	...	...	10
	Value added in mining...$1,000	12,863	12,857	2,309	(D)	(D)	(D)	10,548	...	10,548	...	...	6
147	Chemical and fertilizer minerals:												
	Number of establishments	72	64	17	6	10	1	42	19	18	5	5	8
	Number of employees	5,106	5,075	(D)	83	17	(D)	4,683	4,182	337	164	(D)	31
	Value added in mining...$1,000	83,438	83,311	(D)	661	234	(D)	79,300	70,361	(D)	(D)	(D)	127
1473	Fluorspar:												
	Number of establishments	19	14	4	4	...	...	10	4	4	2	...	5
	Number of employees	241	237	27	27	...	...	210	(D)	(D)	(D)	...	4
	Value added in mining...$1,000	4,640	4,646	297	297	...	...	4,349	(D)	(D)	(D)	...	(3)
1475	Phosphate rock:												
	Number of establishments	9	9	2	1	...	1	7	1	6	...	...	...
	Number of employees	653	653	(D)	(D)	...	(D)	(D)	(D)	(D)	...	...	...
	Value added in mining...$1,000	7,138	7,138	(D)	(D)	...	(D)	(D)	(D)	(D)	...	...	...
149	Miscellaneous minerals, nec:												
	Number of establishments	97	91	37	6	31	...	54	8	41	5	...	6
	Number of employees	1,075	1,056	113	(D)	(D)	...	943	351	501	91	...	19
	Value added in mining...$1,000	12,448	12,447	1,601	(D)	(D)	...	10,846	4,115	6,215	516	...	1
1499	Nonmetallic minerals, nec:												
	Number of establishments	29	27	7	3	4	...	20	3	13	4	...	2
	Number of employees	599	(D)	13	6	7	...	(D)	(D)	360	(D)	...	(D)
	Value added in mining...$1,000	5,317	(D)	107	25	82	...	(D)	(D)	4,128	(D)	...	(D)

D Withheld to avoid disclosing figures for individual companies.
[1]Includes data for 21 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 14 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table e of the individual State Reports)

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Mountain, total.....	3,916	3,803	113	29	115	188	234	...	153	64	611	215	6	1,001	53	546	37	10	69	21	227	56	70	20	72	16	97	6
No employees.....	741	738	3	5	28	49	99	...	51	5	155	24	4	211	1	25	13	...	5	...	21	2	25	1	7	...	10	...
1-4 employees.....	1,644	1,580	64	12	38	82	109	...	59	31	280	96	1	447	9	174	20	6	28	5	93	37	21	15	28	3	49	1
5-9 employees.....	523	501	22	2	8	11	10	...	13	8	73	26	...	130	8	98	2	4	13	8	64	5	6	2	11	5	13	3
10-19 employees...	434	418	16	2	9	18	6	...	8	7	41	22	...	99	13	110	2	...	15	5	34	9	7	2	5	6	14	...
20-49 employees...	303	297	6	4	6	12	4	...	12	6	25	24	1	48	16	105	...	...	4	3	12	1	7	...	4	1	6	2
50-99 employees...	143	142	1	1	2	5	4	...	5	2	18	13	...	40	6	25	...	...	3	...	2	1	3	...	9	1	3	...
100-249 employees.	74	73	1	2	2	4	1	...	2	5	16	5	...	20	...	9	...	...	1	...	1	1	1	...	2	...	2	...
250-499 employees.	26	26	...	1	7	5	...	...	1	...	2	3	...	4	...	...	...	...	...	...	...	...	...	...	3	...	...	...
500-999 employees.	17	17	...	...	6	2	1	...	1	...	1	2	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...
1,000-2,499 employees.....	10	10	...	...	8	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2,500 employees and over.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

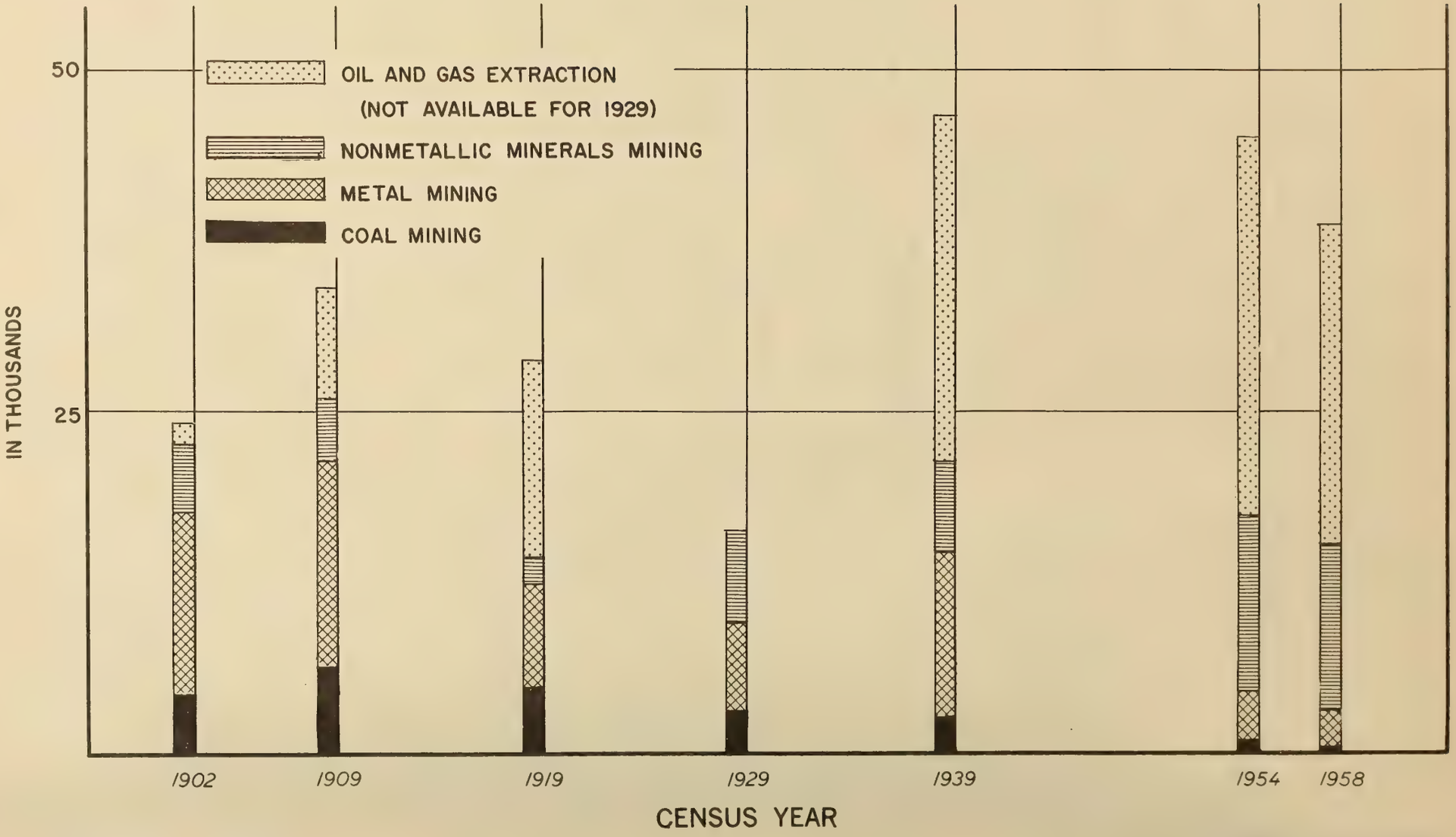
PACIFIC

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EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

PACIFIC



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Pacific

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	2,059	307	37,047	228,925	26,062	52,871	142,881	1,265,284	[2]175,448	[2]108,176	109,322	47,757	1,534,282	171,705	37,106	1,424
1954	2,755	360	43,898	223,675	33,218	66,398	155,722	[3]1,350,173	175,791	[3]29,250	144,695	72,765	[3]1,544,353	228,371	39,178	1,179
Including operations in manufactures:																
All operations:																
1958	2,227	325	38,424	235,893	27,429	55,579	149,784	1,299,098	[4]182,601	[2]108,177	[4]109,376	[5]47,807	1,575,303	[5]171,756	[5]37,113	1,353
1954[6]	2,861	372	44,819	227,431	34,137	68,232	159,471	[3]1,367,855	[4]179,826	[3]29,251	[4]144,706	[5]72,790	[3]1,566,056	[5]228,422	[5]39,180	1,148
1939[7]	[8]2,354	(NA)	46,399	85,105	38,764	77,826	64,350	333,283	46,357	(NA)	20,782	(NA)	400,422	(NA)	29,396	758
1919[9]	939	(NA)	28,593	47,165	25,678	(NA)	41,016	133,199	43,332	876	1,527	(NA)	178,984	(NA)	[10]21,722	846
1909[9]	2,686	(NA)	34,036	29,112	31,183	(NA)	25,276	39,562	28,702	2,919	829	(NA)	72,033	(NA)	(NA)	(NA)
1902[11]	[8]2,775	(NA)	24,054	21,608	[12]21,631	(NA)	18,608	27,445	8,002	(NA)	807	(NA)	36,351	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	1,292	165	15,165	84,185	11,934	25,332	62,948	245,278	[4]72,843	[2]1,735	[4]9,279	[5]13,051	313,245	[5]28,941	[5]7,209	6,041
1954[6]	1,880	174	17,178	79,221	13,867	28,456	61,363	[3]197,633	[4,13]58,575	[3,13]5,290	[4]10,862	[5]18,643	[3]262,384	[5]28,669	[5]5,783	417
1939[7]	[8]1,102	(NA)	21,184	34,408	18,995	41,559	28,976	75,177	21,856	(NA)	462	(NA)	97,495	(NA)	3,339	176
1929[14]	786	(NA)	16,100	26,170	14,442	(NA)	21,915	41,524	13,131	(NA)	870	2,835	55,525	(NA)	1,575	109
1919[9]	523	(NA)	14,293	20,788	13,243	(NA)	18,458	26,163	12,878	366	558	(NA)	39,965	(NA)	[10]2,024	153
1909[9]	2,176	(NA)	25,920	20,076	24,241	(NA)	17,703	28,144	11,214	2,915	450	(NA)	42,723	(NA)	(NA)	(NA)
1902[15]	[8]2,470	(NA)	22,527	20,042	[12]20,498	(NA)	17,509	24,390	6,508	(NA)	458	(NA)	31,356	(NA)	(NA)	(NA)

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]For Washington, the cost of minerals received for preparation in the Metal Mining and Nonmetallic Minerals Mining Industries is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry. For minerals received for preparation at natural gas liquids plants, excludes the cost of natural gas processed, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, see also footnote 2.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations in California was $47 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for other dimension stone operations is not available. For "Excluding oil and gas extraction industries," includes data for 2 establishments in Washington in the Crude Petroleum and Natural Gas Industry.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for sand and gravel mining operations and for stone quarries operated as parts of cement and lime establishments. The value of products of such establishments in 1929 was about $12 million. See also footnote 14. For "Excluding oil and gas extraction industries," for 1919, includes data for 2 nonproducing establishments in Washington in the Crude Petroleum and Natural Gas Industry and for one such establishment in Oregon in 1909.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used; but for "Excluding oil and gas extraction industries" in 1929, to 15 percent.

[11]Excludes data for sand, gravel, common clay, and shale mining operations. Includes data for 2 cement plants and for lime plants producing lime valued at $602 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Figures for minerals received for preparation in the Nonmetallic Minerals Mining Industries in California are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[14]Excludes data for common clay and shale mining operations. In 1939, there were 47 such mines with products valued at $410 thousand.

[15]Includes data for nonproducing crude petroleum establishments at which expenditures were about $500 thousand. See also footnote 11.

Pacific

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	2,227	325	38,424	235,893	27,429	55,579	149,784	1,299,098	[2]447,961	[3]1,575,303	[4]171,756	44,819	[5]1,367,855
	Mineral industries	2,059	307	37,047	228,925	26,062	52,871	142,881	1,265,284	440,703	1,534,282	171,705	43,898	[5]1,350,173
	Included in manufactures	168	18	[3]1,377	[3]6,968	[3]1,367	2,708	6,903	33,814	[2]7,258	[3]41,021	[4]51	[3]921	17,682
10	Metal mining	361	22	2,628	14,241	2,052	4,257	9,948	47,212	19,654	58,714	8,152	3,814	[5]39,003
1011	Iron ores	3	1	351	1,993	252	477	1,329	15,934	3,294	18,217	1,011	(NA)	(NA)
102, 103, & 104	Copper, lead, zinc, gold, and silver ores	175	10	1,025	5,636	774	1,616	3,527	9,618	5,020	13,710	925	(NA)	(NA)
1042	Lode gold	91	6	321	1,514	276	565	1,292	4,721	1,484	5,692	513	719	3,675
106	Ferroalloy ores	94	2	487	2,745	374	756	1,949	10,888	3,176	(D)	(D)	(NA)	(NA)
1062	Manganese ores	20	...	63	312	54	118	266	1,688	450	1,722	416	118	1,122
108	Metal mining services	4	1	79	427	73	163	384	968	406	1,308	66	64	455
109	Miscellaneous metal ores	85	8	686	3,440	579	1,245	2,759	9,804	7,758	(D)	(D)	(NA)	(NA)
1092	Mercury ores	53	6	468	2,236	403	868	1,840	4,577	1,666	5,629	614	321	2,169
1094	Uranium-radium-vanadium ores	29	2	198	1,073	162	345	840	5,238	5,928	6,635	4,531	29	(NA)
1211	Bituminous coal mining (Bituminous coal)	13	5	276	1,360	245	391	1,202	1,609	1,015	2,535	89	[6]708	[6]3,402
13	Oil and gas extraction	935	160	23,259	151,708	15,495	30,247	86,836	1,053,820	351,053	1,262,058	142,815	27,641	1,170,222
1311	Crude petroleum and natural gas	598	69	16,665	113,026	9,879	19,351	55,618	945,738	210,730	1,020,738	135,730	17,210	1,012,206
	Crude petroleum	580	65	16,186	110,003	9,665	18,966	54,399	911,025	203,976	983,054	131,947	16,724	982,597
	Natural gas	18	4	479	3,023	214	385	1,219	34,713	6,754	37,684	3,783	486	29,609
1321	Natural gas liquids	67	33	1,801	11,113	1,531	2,981	9,043	59,553	113,582	171,087	2,048	2,101	[7]84,655
138	Oil and gas field services	270	58	4,793	27,569	4,085	7,915	22,175	48,529	26,741	70,233	5,037	8,330	73,361
1381	Drilling oil and gas wells	99	33	2,673	16,402	2,298	4,411	13,227	27,708	18,292	42,100	3,900	5,237	47,068
1382	Oil and gas exploration services	20	3	203	1,123	171	383	924	1,653	982	2,530	105	3,093	26,293
1389	Oil and gas field services, nec	151	22	1,917	10,044	1,616	3,121	8,024	19,168	7,467	25,603	1,032		
	Nonmetallic minerals mining	918	138	12,261	68,584	9,637	20,684	51,798	196,457	[2]76,239	[3]251,996	[4]20,700	12,656	155,228
14	Mineral industries	750	120	10,884	61,616	8,270	17,976	44,895	162,643	68,981	210,975	20,649	11,735	137,546
	Included in manufactures	168	18	[3]1,377	[3]6,968	[3]1,367	2,708	6,903	33,814	[2]7,258	[3]41,021	[4]51	[3]921	17,682
	Dimension stone	43	2	174	750	157	291	669	1,658	567	2,113	112	131	832
1411	Mineral industry	27	...	68	254	61	122	238	785	250	974	61	131	832
	Included in manufactures	16	2	106	496	96	169	431	873	317	1,139	51		
	Dimension stone, nec	21	1	77	351	68	136	312	866	241	1,051	56	(NA)	(NA)
	Crushed and broken stone	187	35	2,400	12,825	2,146	4,747	11,242	37,481	[2]12,916	[3]48,196	(NA)	2,452	33,243
1421	Mineral industry	165	25	1,752	9,503	1,498	3,451	7,920	21,245	8,723	27,767	2,201	[3]2,452	33,243
	Included in manufactures	22	10	[3]648	[3]3,322	[3]648	1,296	3,322	16,236	[2]4,193	[3]20,429	(NA)		
	Crushed and broken limestone (mineral subindustry)	41	6	451	2,209	390	786	1,786	4,448	1,760	5,630	578	436	5,055
	Crushed and broken granite (mineral subindustry)	22	5	314	1,980	272	555	1,697	5,136	1,760	6,489	407	273	2,916
	Crushed and broken stone, nec (mineral subindustry)	102	14	987	5,314	836	2,110	4,437	11,661	5,203	15,648	1,216	(NA)	(NA)
	Sand and gravel	455	79	5,161	28,824	4,169	8,884	22,748	85,901	[3]31,202	[3]108,944	(NA)	(NA)	(NA)
1441	Mineral industry	381	75	4,727	26,507	3,735	8,016	20,431	73,058	29,398	94,297	8,159	5,639	71,708
	Included in manufactures	74	4	[3]434	[3]2,317	[3]434	868	2,317	12,843	[2]1,804	[3]14,647	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry)	365	74	4,596	25,723	3,627	7,782	19,794	70,103	28,149	90,329	7,923	(NA)	(NA)
	Glass sand and molding sand	16	1	131	784	108	234	637	2,955	1,249	3,968	236	(NA)	(NA)
145	Clay and related minerals (mineral industries only)	49	5	454	2,245	397	679	1,851	6,037	2,813	8,298	552	(NA)	(NA)
	Fire clay	15	1	[3]70	[3]290	[2]65	115	266	1,085	[2]260	[3]1,320	(NA)	(NA)	(NA)
	Clay and related minerals, nec	68	3	232	1,080	220	436	1,007	2,206	[2]1,419	[3]3,361	(NA)	312	3,382
1459	Mineral industry	18	2	105	500	93	182	427	1,180	864	1,780	264	136	1,140
	Included in manufactures	50	1	[3]127	[3]580	[3]127	254	580	1,026	[2]555	[3]1,581	(NA)	[3]176	2,242
147	Chemical and fertilizer minerals:													
1474	Potash, soda, borate minerals	7	4	2,554	16,407	1,555	3,403	9,684	40,908	19,576	53,154	7,330	2,337	24,301
149	Miscellaneous minerals, nec (mineral industries only)	105	8	1,150	5,803	872	1,905	4,038	18,592	7,372	24,075	1,889	(NA)	(NA)
1492	Gypsum (mineral industry only)	12	1	68	330	54	119	227	1,401	262	1,463	200	54	816
1495	Pumice and pumicite	28	1	158	490	134	173	375	1,760	472	1,950	282	141	1,209
1499	Nonmetallic minerals, nec	14	5	769	4,243	557	1,367	2,899	13,593	5,757	18,306	1,044	800	8,461

D Withheld to avoid disclosing data for individual companies. NA not available. [1]Excludes data for sand and gravel mining operations in manufacturing establishments. [2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed. [3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. New data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations in making manufactured products. [4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. [5]Excludes data for the Uranium-Radium-Vanadium Ores Industry. [6]Includes data for one establishment in the Lignite Industry and 2 establishments in the Coal Mining Services Industries. [7]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

Pacific

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	440,703	[3]175,448	[3]108,176	109,322	47,757	171,705	85,574	86,131	xxx	xxx	xxx	xxx
10	Metal mining	19,654	12,364	([4])	4,186	3,104	8,152	1,360	6,792	xxx	xxx	xxx	xxx
1011	Iron ores	3,294	1,107	...	461	1,726	1,011	(D)	(D)	[5]1,803	[5]18,217	...	...
102, 103, & 104	Copper, lead, zinc, gold, and silver ores	5,020	4,365	2	386	267	925	244	681	xxx	xxx	xxx	xxx
1042	Lode gold	1,484	[4]1,125	([4])	241	118	513	154	359	[6]243	(D)	(NA)	(D)
106	Ferroalloy ores	3,176	2,124	196	395	461	(D)	285	(D)	xxx	xxx	xxx	xxx
109	Miscellaneous metal ores	7,758	[4]4,234	([4])	2,936	588	(D)	829	(D)	xxx	xxx	xxx	xxx
1092	Mercury ores	1,666	[4]1,340	([4])	48	278	614	247	367	[7]24,399	[7]5,557	...	...
1094	Uranium-radium-vanadium ores	5,928	[4]2,776	([4])	2,875	277	4,531	581	3,950	[6]171	(D)	(NA)	(D)
1211	Bituminous coal mining (Bituminous coal)	1,015	[4]953	([4])	1	61	89	25	64	260	2,037	...	...
13	Oil and gas extraction	351,053	109,758	106,442	100,097	34,756	142,815	83,386	59,429	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	210,730	85,519	xxx	96,052	29,159	135,730	83,367	52,363	xxx	1,014,896	xxx	153
	Crude petroleum	203,976	83,459	xxx	92,395	28,122	131,947	81,101	50,846	[8]306,094	883,822	[8]4,673	12,948
	Natural gas	6,754	2,060	xxx	3,657	1,037	3,783	2,266	1,517	[9]72,570	24,700	[9]353,019	93,579
1321	Natural gas liquids	113,582	4,842	106,442	1,239	1,059	2,048	...	2,048	[10]28,541	[10]85,878	...	...
138	Oil and gas field services	26,741	19,397	xxx	2,806	4,538	5,037	19	5,018	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	18,292	12,733	xxx	2,105	3,454	3,900	19	3,881	xxx	[11]44,740	xxx	([11])
1389	Oil and gas field services, nec	7,467	5,815	xxx	673	979	1,032	...	1,032	xxx	[11]22,502	xxx	([11])
14	Nonmetallic minerals mining	68,981	[4]54,107	([4])	5,038	9,836	20,649	803	19,846	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	8,723	6,424	90	728	1,481	2,201	73	2,128	17,768	25,186	[12]15,016	[12]22,729
	Crushed and broken limestone	1,760	1,137	52	263	308	578	43	535	2,937	5,491	[12]14,134	[12]21,398
	Crushed and broken granite	1,760	1,258	...	163	339	407	9	398	4,360	5,876	160	238
	Crushed and broken stone, nec.	5,203	4,029	38	302	834	1,216	21	1,195	10,019	13,272	1,174	1,640
1441	Sand and gravel	29,398	22,176	101	2,166	4,955	8,159	449	7,710	70,967	[11]100,454	[12]14,160	([11])
	Common sand and gravel	28,149	21,069	101	2,158	4,821	7,923	444	7,479	69,753	[11]96,533	[12]14,202	([11])
145	Clay and related minerals	2,813	[4]2,106	([4])	242	465	552	29	523	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals:												
1474	Potash, soda, borate minerals	19,576	[4]16,458	([4])	1,013	2,105	7,330	32	7,298	[13]1,325	(D)	([13])	(D)
149	Miscellaneous minerals, nec	7,372	[4]6,101	([4])	676	595	1,889	68	1,821	xxx	xxx	xxx	xxx
1499	Nonmetallic minerals, nec	5,757	5,145	...	405	207	1,044	8	1,036	xxx	(D)	xxx	(NA)

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]For Washington, the cost of minerals received for preparation in the Metal Mining and Nonmetallic Minerals Mining Industries is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Represents usable iron ore. The quantity figure is in thousands of long tons.

[6]Represents crude ore mined.

[7]Represents mercury metal only. The quantity figure is in flasks of 76 pounds.

[8]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[9]Represents millions of cubic feet of natural gas shipped.

[10]Represents net shipments of natural gas liquids only. Quantity is in thousands of barrels.

[11]Figures for primary products shipped or services performed in other industries or subindustries are included with those for primary products shipped or services performed in the specified industry or subindustry. For sand and gravel, see also footnote 12.

[12]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[13]Primary products shipped by other industries in the East, South, and Pacific states are combined with those shipped by the specified industry. Such shipments by other industries amounted to less than one percent of the total shown.

Pacific

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	1,782	1,589	876	60	216	600	631	55	484	92	82	193
	Number of employees	[3]32,175	[3]31,755	[3]17,466	[3]206	626	16,634	12,417	1,552	8,004	2,861	1,872	420
	Value added in mining, $1,000	[3]1,215,787	[3]1,217,508	[3]964,838	[3]2,260	13,828	948,750	192,443	15,473	141,706	35,264	60,227	(4)
10	Metal mining:												
	Number of establishments	357	215	92	38	50	4	118	40	75	3	5	142
	Number of employees	2,549	2,289	227	82	135	10	2,038	1,212	(D)	(D)	24	260
	Value added in mining, $1,000	46,244	46,411	7,350	1,131	6,149	70	38,720	13,265	(D)	(D)	341	(3)
1011	Iron ores:												
	Number of establishments	3	2	...	...	...	...	2	...	2	...	...	1
	Number of employees	351	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	15,934	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
102, 103 & 104	Copper, lead, zinc, gold, and silver ores:												
	Number of establishments	175	74	28	23	5	...	46	16	30	...	...	101
	Number of employees	1,025	851	87	(D)	(D)	...	764	500	264	...	...	174
	Value added in mining, $1,000	9,618	9,720	713	(D)	(D)	...	9,007	5,577	3,430	...	...	(3)
1042	Lode gold:												
	Number of establishments	91	34	16	13	3	...	18	13	5	...	...	57
	Number of employees	321	250	42	42	...	...	208	182	26	...	...	71
	Value added in mining, $1,000	4,721	4,683	637	631	6	...	4,046	3,905	141	...	...	38
106	Ferroalloy ores:												
	Number of establishments	94	78	49	9	37	3	24	8	13	3	5	16
	Number of employees	487	(D)	103	(D)	83	(D)	(D)	260	39	(D)	24	42
	Value added in mining, $1,000	10,888	(D)	7,138	(D)	5,860	(D)	(D)	2,819	1,218	(D)	341	1
109	Miscellaneous metal ores:												
	Number of establishments	85	61	15	6	8	1	46	16	30	...	...	24
	Number of employees	686	(D)	(D)	(D)	(D)	(D)	(D)	452	(D)	...	...	43
	Value added in mining, $1,000	9,804	(D)	(D)	(D)	(D)	(D)	(D)	4,869	(D)	...	...	(4)
1092	Mercury ores:												
	Number of establishments	53	45	2	...	2	...	43	15	28	...	...	8
	Number of employees	468	452	(D)	...	(D)	...	(D)	(D)	(D)	...	...	16
	Value added in mining, $1,000	4,577	4,585	(D)	...	(D)	...	(D)	(D)	(D)	...	...	(4)
1094	Uranium-radium-vanadium ores:												
	Number of establishments	29	15	13	6	6	1	2	1	1	...	...	14
	Number of employees	198	(D)	33	(D)	(D)	(D)	(D)	(D)	(D)	...	...	24
	Value added in mining, $1,000	5,238	(D)	426	(D)	(D)	(D)	(D)	(D)	(D)	...	...	(4)
1211	Bituminous coal:												
	Number of establishments	13	13	8	7	1	...	4	3	...	1	1	...
	Number of employees	276	276	70	(D)	(D)	...	(D)	(D)	...	(D)	(D)	...
	Value added in mining, $1,000	1,609	1,609	458	(D)	(D)	...	(D)	(D)	...	(D)	(D)	...
13	Oil and gas extraction:												
	Number of establishments	665	626	559	...	...	559	...	...	...	...	67	39
	Number of employees	18,466	18,321	16,520	...	...	16,520	...	...	...	...	1,801	145
	Value added in mining, $1,000	1,005,291	1,006,804	947,251	...	...	947,251	...	...	...	...	59,553	(4)
14	Nonmetallic minerals mining:												
	Number of establishments	747	735	217	15	165	37	509	12	409	88	9	12
	Number of employees	[3]10,884	[3]10,869	[3]649	40	[3]505	104	(D)	(D)	7,197	2,786	(D)	15
	Value added in mining, $1,000	[3]162,643	[3]162,684	[3]9,779	626	[3]7,724	1,429	(D)	(D)	(D)	34,513	(D)	(4)
1421	Crushed and broken stone:												
	Number of establishments	165	162	23	...	23	...	138	3	135	...	1	3
	Number of employees	1,752	1,748	121	...	121	...	(D)	(D)	1,518	...	(D)	4
	Value added in mining, $1,000	21,245	21,246	1,837	...	1,837	...	(D)	(D)	18,659	...	(D)	1
	Crushed and broken limestone:												
	Number of establishments	41	40	4	...	4	...	36	2	34	...	...	1
	Number of employees	451	(D)	30	...	30	...	(D)	(D)	320	...	...	(D)
	Value added in mining, $1,000	4,448	(D)	234	...	234	...	(D)	(D)	3,556	...	...	(D)
	Crushed and broken granite:												
	Number of establishments	22	22	7	...	7	...	15	...	15	...	...	...
	Number of employees	314	314	58	...	58	...	256	...	256	...	...	...
	Value added in mining, $1,000	5,136	5,136	1,283	...	1,283	...	3,853	...	3,853	...	...	...

See footnotes at end of table.

Pacific

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	Nonmetallic minerals mining--Con.												
	Crushed and broken stone, nec.												
	Number of establishments	102	100	12	...	12	...	87	1	86	...	1	2
	Number of employees	987	(D)	33	...	33	...	(D)	(D)	942	...	(D)	(D)
	Value added in mining, $1,000	11,661	(D)	320	...	320	...	(D)	(D)	11,250	...	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	381	380	83	...	47	36	292	3	208	81	5	1
	Number of employees	4,727	(D)	(D)	...	(D)	102	(D)	17	3,356	(D)	27	(D)
	Value added in mining, $1,000	73,058	(D)	(D)	...	(D)	1,421	(D)	174	54,881	(D)	210	(D)
	Common sand and gravel:												
	Number of establishments	365	364	82	...	46	36	277	3	195	79	5	1
	Number of employees	4,596	(D)	(D)	...	(D)	102	(D)	17	3,238	(D)	27	(D)
	Value added in mining, $1,000	70,103	(D)	(D)	...	(D)	1,421	(D)	174	52,182	(D)	210	(D)
145	Clay and related minerals:												
	Number of establishments	49	48	26	...	25	1	22	2	19	2	...	1
	Number of employees	454	(D)	(D)	...	(D)	(D)	413	(D)	372	(D)	...	(D)
	Value added in mining, $1,000	6,037	(D)	(D)	...	(D)	(D)	5,229	(D)	4,884	(D)	...	(D)
1474	Potash, soda, borate minerals:												
	Number of establishments	7	7	...	...	...	...	5	...	1	4	2	...
	Number of employees	2,554	2,554	...	...	...	...	(D)	...	(D)	(D)	(D)	...
	Value added in mining, $1,000	40,908	40,908	...	...	...	...	(D)	...	(D)	(D)	(D)	...
149	Miscellaneous minerals, nec:												
	Number of establishments	105	99	56	15	41	...	43	1	41	1	...	6
	Number of employees	1,150	1,145	(D)	40	(D)	...	(D)	(D)	955	(D)	...	5
	Value added in mining, $1,000	18,592	18,617	(D)	626	(D)	...	(D)	(D)	16,088	(D)	...	[3]
1499	Nonmetallic minerals, nec:												
	Number of establishments	14	13	1	...	1	...	12	1	11	...	...	1
	Number of employees	769	(D)	(D)	...	(D)	...	(D)	(D)	741	...	...	(D)
	Value added in mining, $1,000	13,593	(D)	(D)	...	(D)	...	(D)	(D)	(D)	...	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for 31 sand and gravel establishments for which the method of mining was not specified.
[2] Includes data for 14 sand and gravel establishments for which the method of mining was not specified.
[3] Includes figures for nonmetallic minerals mining services operations.
[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, by Counties: 1958 and 1954

(For county statistics, see table 3 of the individual State Reports)

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Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

Division and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Pacific, total.....	2,227	2,059	168	3	18	21	136	...	94	4	85	13	...	598	67	270	27	16	165	22	381	74	49	54	20	3	105	2
No employees.....	341	328	13	...	4	6	61	...	42	...	28	...	...	82	...	11	7	2	9	...	32	4	14	7	2	...	30	...
1-4 employees.....	981	891	90	1	10	10	58	...	36	2	38	6	...	333	7	103	15	7	63	...	137	42	19	41	9	2	42	...
5-9 employees.....	315	287	28	1	4	2	7	...	11	1	8	1	...	75	5	38	3	3	31	3	79	18	4	4	1	1	15	...
10-19 employees...	265	246	19	...	...	1	2	...	3	...	3	1	...	39	22	60	2	2	37	9	58	6	7	...	1	...	10	2
20-49 employees...	212	199	13	...	...	...	5	...	...	1	3	3	...	38	24	34	...	2	21	6	60	3	4	2	1	...	5	...
50-99 employees...	63	59	4	...	...	1	2	...	1	...	4	1	...	9	8	13	...	...	4	3	11	1	...	...	3	...	2	...
100-249 employees.	33	32	1	...	...	1	1	...	1	...	1	1	...	10	1	11	...	...	...	1	4	...	1	...	...	...	...	...
250-499 employees.	9	9	...	1	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	1	...	1	...
500-999 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...
1,000-2,499 employees..	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	1	...	...	...

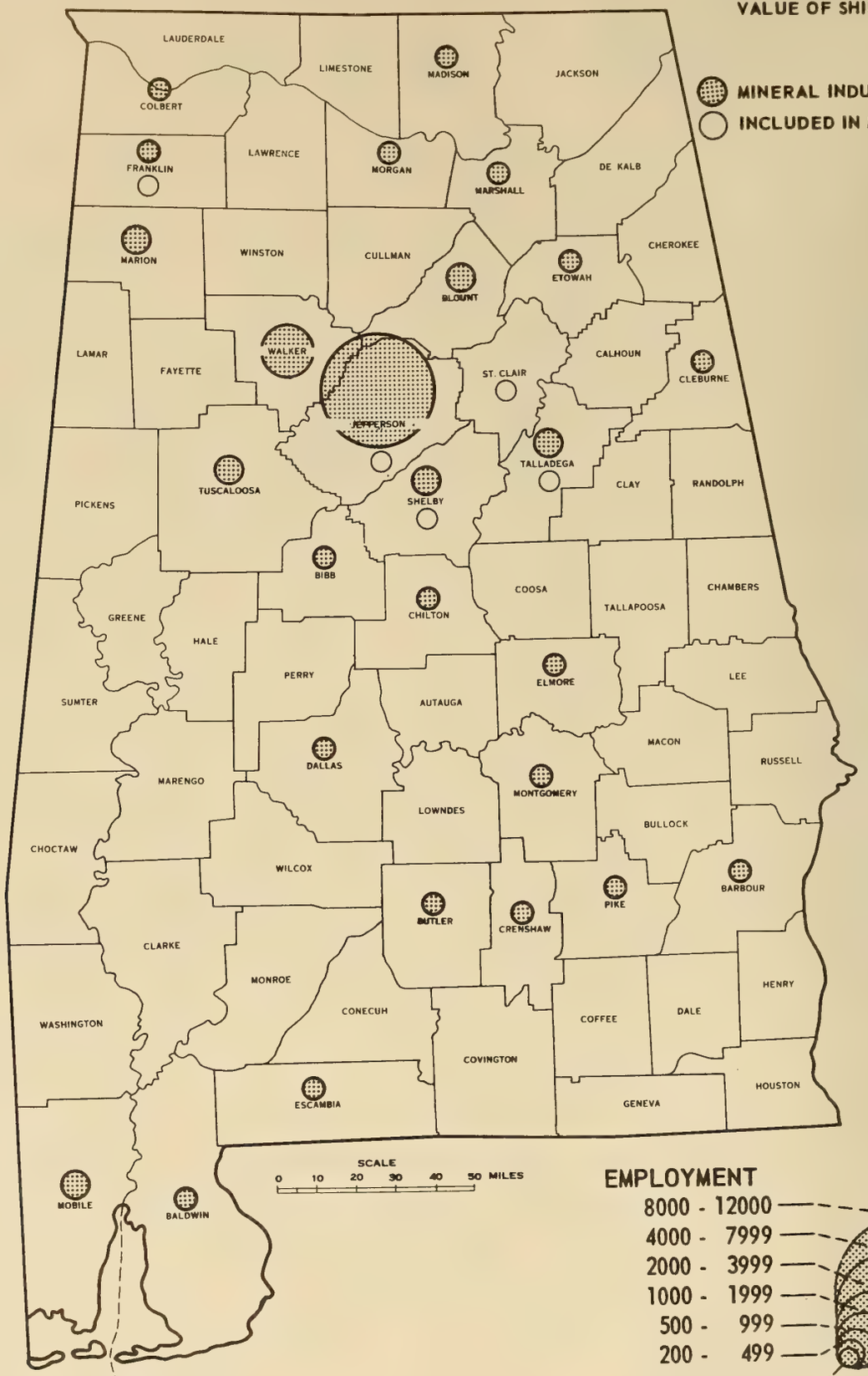
ALABAMA

1-1

EMPLOYMENT IN MINING BY COUNTY: 1958

ALABAMA

RANK AMONG STATES
EMPLOYMENT - 18
VALUE OF SHIPMENTS - 19



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

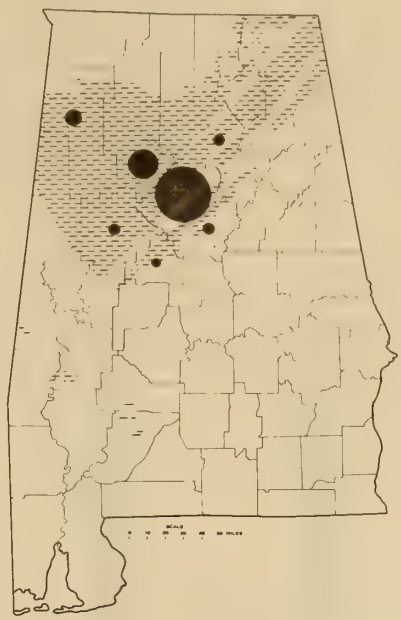
MINING IN ALABAMA

Employment For Industry Group By County: 1958

Metal Mining

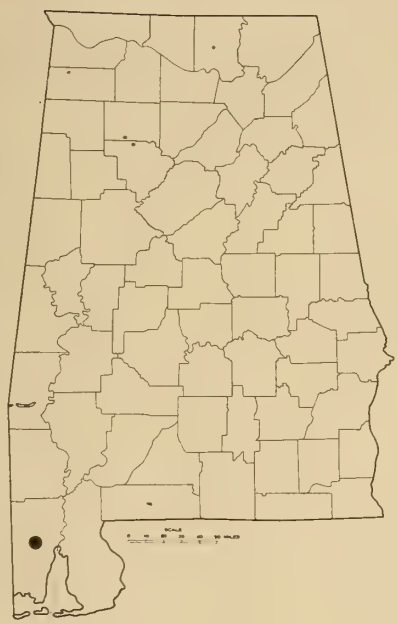


Coal Mining



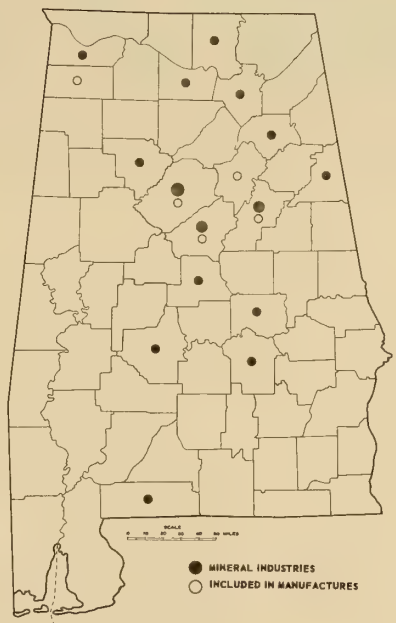
General Extent of Coal Fields — — — —

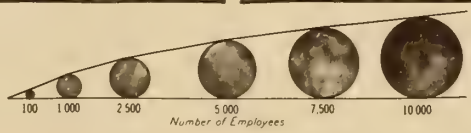
Oil and Gas Extraction



General Extent of Oil and Gas Fields — — — —

Nonmetallic Minerals Mining





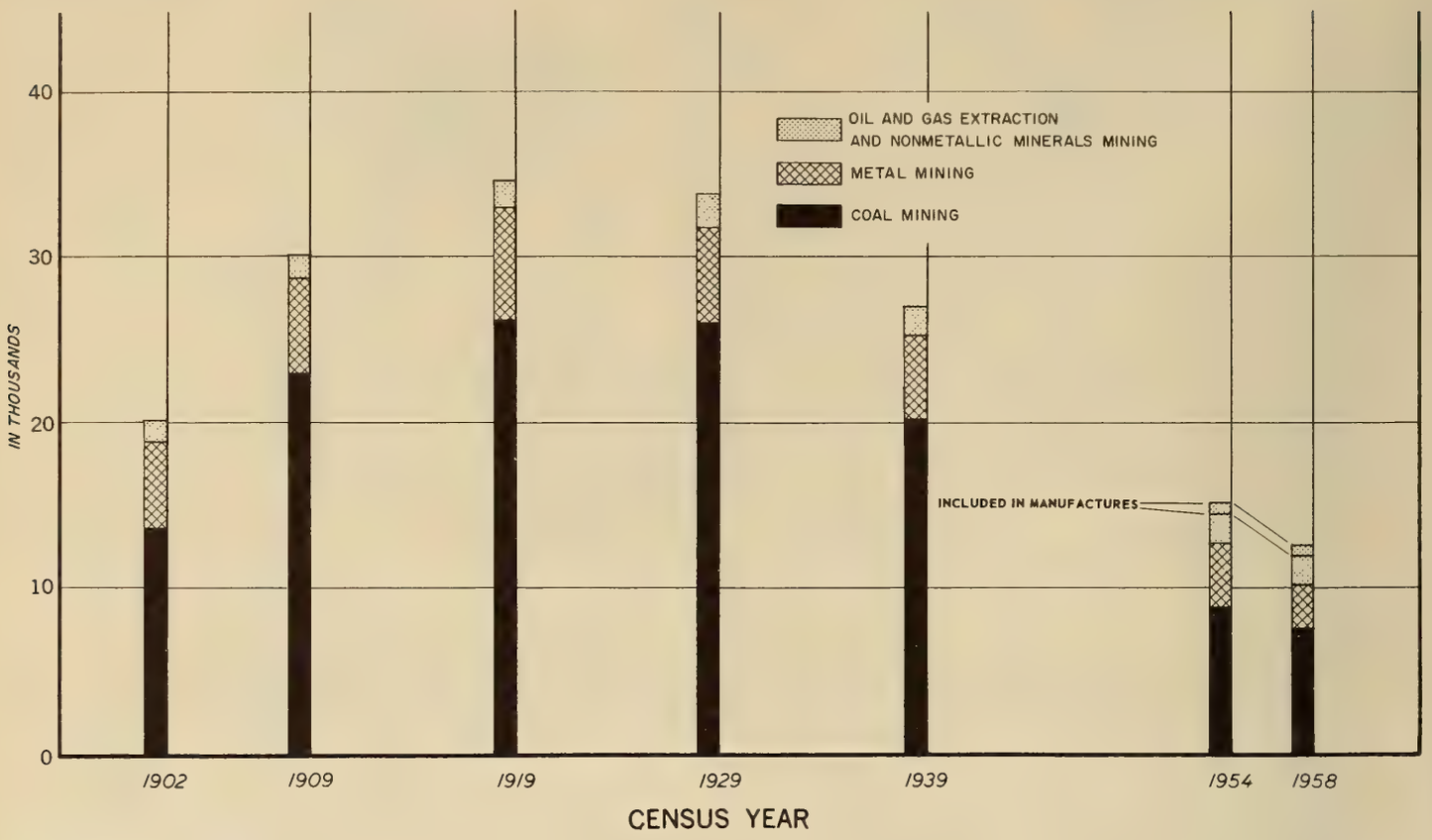
DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

ALABAMA



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	316	83	11,939	55,059	10,555	17,501	45,551	127,055	[2]63,839	([2])	8,452	10,355	196,029	13,672	[r]1,491	[r]141
1954	378	88	14,364	54,940	12,880	22,038	44,782	[3]93,638	[2]39,054	([2])	3,768	8,862	[3]137,141	8,183	1,253	97
Including operations in manufactures:																
1958	357	91	12,583	57,389	11,174	18,745	47,742	138,254	[2] [4]66,007	([2])	[4]8,452	[5]10,381	209,396	[5]13,698	[5]1,499	[r]134
1954[6]	413	98	15,136	57,317	13,602	23,526	46,947	[3]100,869	[4]27,562	13,023	[4]3,768	[5]8,920	[3]145,888	[5]8,256	[5]1,261	93
1939[7]	[8]341	(NA)	26,953	26,449	25,758	39,827	23,764	33,849	7,702	(NA)	301	(NA)	41,852	(NA)	1,815	70
1929[9]	222	(NA)	33,735	34,860	31,978	(NA)	30,938	43,342	11,229	(NA)	95	1,793	54,666	(NA)	2,615	82
1919[10]	264	(NA)	34,591	40,165	32,579	(NA)	36,230	49,138	10,561	...	167	(NA)	59,866	(NA)	[11]6,100	187
1909[10]	225	(NA)	30,093	15,966	28,300	(NA)	14,277	19,883	3,566	128	774	(NA)	24,351	(NA)	(NA)	(NA)
1902[12]	[8]265	(NA)	20,134	11,348	[13]19,177	(NA)	10,360	15,056	2,045	(NA)	267	(NA)	17,368	(NA)	(NA)	(NA)

NA Not available. [r]Revised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1934, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[7]Excludes data for dimension stone dressing plants operated in conjunction with quarries.

[8]Represents number of mines and quarries.

[9]Excludes data for common clay and shale and crude petroleum and natural gas extraction operations, if any. For 1939, there were 15 such clay and shale mines with products valued at $130 thousand. No oil and gas field operations were reported for 1939.

[10]Excludes data for sand, gravel, common clay, and shale mining operations and stone quarries operated as parts of cement and lime plants. In 1929, there were 10 such sand and gravel establishments, with products valued at $1,303 thousand, such stone quarries at 7 cement plants, with products valued at $621 thousand, and such stone quarries at 5 lime plants. For 1919, excludes data for 2 nonproducing establishments.

[11]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 10 percent of the total kwh equivalent of energy used.

[12]Excludes data for sand, gravel, common clay, and shale operations. Includes data for 1 cement plant and for lime plants producing lime valued at $236 thousand.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	357	91	12,583	57,389	11,174	18,745	47,742	138,254	[2]84,840	[3]209,396	[4]13,698	15,136	[5]100,869
	Mineral industries	316	83	11,939	55,059	10,555	17,501	45,551	127,055	82,646	196,029	13,672	14,364	[5]93,638
	Included in manufactures	41	8	[3]644	[3]2,330	[3]619	1,244	2,191	11,199	[2]2,194	[3]13,367	[4]26	[3]772	7,231
10	Metal mining	33	14	2,702	12,785	2,339	4,031	10,984	43,133	37,514	77,235	3,412	3,882	[5]27,292
1011	Iron ores	30	12	2,547	12,168	2,192	3,721	10,427	41,586	36,749	75,015	3,320	3,840	27,060
12	Bituminous coal mining	151	40	7,484	35,606	6,649	10,330	28,970	59,345	30,560	85,873	4,032	8,717	54,638
1211	Bituminous coal	147	40	7,453	35,411	6,622	10,273	28,821	58,799	30,377	85,186	3,990	8,688	54,328
13	Oil and gas extraction	51	6	338	1,758	306	656	1,545	12,063	9,624	17,613	4,074	243	2,289
1311	Crude petroleum and natural gas	42	4	222	1,355	198	474	1,182	11,357	9,090	16,417	4,030	104	1,181
138	Oil and gas field services	9	2	116	403	108	182	363	706	534	1,196	44	139	1,108
1381	Drilling oil and gas wells	5	1	58	200	52	77	170	347	389	693	43	14	104
	Nonmetallic minerals mining	122	31	2,059	7,240	1,880	3,728	6,243	23,713	[2]7,142	[3]28,675	[4]2,180	2,294	16,650
14	Mineral industries	81	23	1,415	4,910	1,261	2,484	4,052	12,514	4,948	15,308	2,154	1,522	9,419
	Included in manufactures	41	8	[3]644	[3]2,330	[3]619	1,244	2,191	11,199	[2]2,194	[3]13,367	[4]26	[3]772	7,231
	Dimension stone	6	2	276	944	251	505	805	1,867	566	2,396	37	409	1,874
	Crushed and broken stone:													
	Crushed and broken limestone	33	17	[3]985	[3]3,771	[3]916	1,772	3,311	12,485	[2]4,152	[3]15,690	[4]947	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	33	9	391	1,233	330	711	996	2,989	1,145	3,588	546	450	2,527
	Clay and related minerals (including operations in manufactures)	37	1	[3]216	[3]704	[3]204	371	617	4,392	[2]516	[3]4,837	[4]71	[3]241	2,034
	Clay and related minerals, nec (including operations in manufactures)	24	1	[3]123	[3]329	[3]123	236	329	3,343	[2]316	[3]3,637	[4]22	[3]119	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	82,646	[3]63,839	([3])	8,452	10,355	13,672	1,009	12,663	xxx	xxx	xxx	xxx
10	Metal mining.....	37,514	[3]31,876	([3])	2,699	2,939	3,412	203	3,209	xxx	xxx	xxx	xxx
1011	Iron ores.....	36,749	[3]31,372	([3])	2,526	2,851	3,320	202	3,118	[4]7,012	[4]74,963	([4])	([4])
12	Bituminous coal mining.....	30,560	17,028	6,750	2,473	4,309	4,032	41	3,991	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	30,377	16,895	6,750	2,458	4,274	3,990	41	3,949	11,761	78,185	...	...
13	Oil and gas extraction.....	9,624	4,662	...	3,109	1,853	4,074	673	3,401	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	9,090	4,180	...	3,100	1,810	4,030	673	3,357	[5]5,373	15,615	...	...
14	Nonmetallic minerals mining.....	4,948	3,523	...	171	1,254	2,154	92	2,062	xxx	xxx	xxx	xxx

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents gross shipments of direct-shipping and beneficiating-grade iron ores and of iron concentrates and agglomerates. Figures for value of such products shipped in other industries are included with those for the value of primary products shipped in the specified industry.
[5]Represents only thousands of barrels of crude petroleum shipped. In addition, 26 million cubic feet of natural gas were shipped.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments....	301	274	135	67	42	26	133	39	83	11	6	27
	Number of employees.....	11,658	11,664	2,404	1,636	460	308	(D)	(D)	1,917	140	(D)	11
	Value added in mining.....$1,000..	124,375	125,120	26,833	9,905	3,946	12,982	(D)	(D)	18,280	918	(D)	([3])
10	Metal mining:												
	Number of establishments.....	32	31	8	3	5	...	22	2	20	...	1	1
	Number of employees.....	[4]2,702	(D)	(D)	(D)	(D)	...	(D)	(D)	338	...	(D)	(D)
	Value added in mining...$1,000..	[4]43,133	(D)	(D)	(D)	(D)	...	(D)	(D)	3,018	...	(D)	(D)
1211	Bituminous coal:												
	Number of establishments.....	147	145	85	63	18	4	55	36	18	1	5	2
	Number of employees.....	7,453	(D)	797	509	210	78	(D)	6,005	587	(D)	53	(D)
	Value added in mining...$1,000..	58,799	(D)	4,770	2,058	1,928	784	(D)	47,624	5,747	(D)	607	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments.....	42	18	18	...	...	18	...	...	...	...	...	24
	Number of employees.....	222	214	214	...	...	214	...	...	...	...	...	8
	Value added in mining...$1,000..	11,357	12,092	12,092	...	...	12,092	...	...	...	...	...	([3])
14	Nonmetallic minerals mining:												
	Number of establishments.....	80	80	24	1	19	4	56	1	45	10	...	...
	Number of employees.....	[4]1,415	[4]1,415	(D)	(D)	222	16	(D)	(D)	992	(D)	...	...
	Value added in mining...$1,000..	[4]12,514	[4]12,514	(D)	(D)	1,843	106	(D)	(D)	9,515	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for one sand and gravel establishment for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[4]Includes data for mining services establishments.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	ALABAMA:													
	All mineral operations	357	91	12,583	57,389	11,174	18,745	47,742	138,254	[3]84,840	[4]209,396	[5]13,698	15,136	[6]100,869
	Mineral industries	316	83	11,939	55,059	10,555	17,501	45,551	127,055	82,646	196,029	13,672	14,364	[6]93,638
	Included in manufactures	41	8	[4]644	[4]2,330	[4]619	1,244	2,191	11,199	[3]2,194	[4]13,367	[5]26	[4]772	7,231
	COUNTIES													
	Baldwin	6	...	32	104	(NA)	(NA)	(NA)	(NA)	(NA)	127	(NA)	(NA)	(NA)
	Barbour	5	1	55	143	52	94	125	303	290	555	38	(NA)	(NA)
	Bibb	7	1	89	225	84	91	182	264	(D)	649	(D)	[7]53	[7]194
	Blount (mineral industries only)	12	3	229	942	210	368	836	1,459	1,245	2,530	174	136	957
10	Butler	7	1	71	284	64	134	260	917	430	1,257	90	39	268
	Calhoun (including operations in manufactures)	6	...	[4]37	[4]120	[4]32	60	84	225	[3]61	[4]285	[5]1	[4]106	363
13	Choctaw	6	...	17	89	(NA)	(NA)	(NA)	(NA)	(NA)	1,032	(NA)	[8]50	(NA)
	Clarke	4	...	1	3	(NA)	(NA)	(NA)	(NA)	(NA)	91	(NA)	(NA)	(NA)
14	Colbert	4	2	80	289	64	91	220	1,042	347	1,325	64	(NA)	(NA)
	Cullman	4	...	22	55	22	41	55	128	96	194	30	(NA)	(NA)
	Dallas (including operations in manufactures)	5	2	51	163	36	81	99	396	(D)	521	(D)	71	482
	Escambia (mineral industries only)	8	...	39	125	(NA)	(NA)	(NA)	(NA)	(NA)	2,470	(NA)	[8]64	(NA)
13	Oil and gas extraction	5	...	10	61	(NA)	(NA)	(NA)	(NA)	(NA)	2,342	(NA)	[8]31	(NA)
	Jefferson, total	88	30	7,716	37,574	6,702	10,562	30,236	81,151	[3]56,460	[4]131,857	[5]5,754	10,658	[9]69,325
	Mineral industries	75	28	7,628	37,175	6,614	10,381	29,837	78,090	56,124	128,460	5,754	10,533	[9]66,378
	Included in manufactures	13	2	[4]88	[4]399	[4]88	181	399	3,061	[3]336	[4]3,397	(NA)	[4]125	2,947
12	Bituminous coal mining	53	18	5,092	24,937	4,445	6,646	19,277	37,179	19,404	53,991	2,592	[7]6,490	[7]39,078
	Marion	32	6	418	1,292	(NA)	(NA)	(NA)	(NA)	(NA)	3,912	(NA)	(NA)	(NA)
12	Bituminous coal mining	29	6	418	1,292	378	618	1,093	2,028	1,974	3,857	145	276	1,528
14	Marshall	3	...	39	155	32	47	102	376	142	485	33	(NA)	(NA)
13	Mobile (oil and gas extraction only)	24	2	234	1,133	(NA)	(NA)	(NA)	(NA)	(NA)	14,236	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	9	2	120	737	(NA)	(NA)	(NA)	(NA)	(NA)	13,033	(NA)	(NA)	(NA)
138	Oil and gas field services	15	...	114	396	(NA)	(NA)	(NA)	(NA)	(NA)	1,203	(NA)	(NA)	(NA)
	Montgomery (including operations in manufactures)	6	3	[4]84	[4]264	[4]75	181	236	1,447	(D)	[4]1,484	(D)	[4]87	769
	Morgan (including operations in manufactures)	3	1	[4]49	[4]251	[4]44	124	198	729	(D)	[4]933	(D)	(NA)	(NA)
101	Pike	5	2	104	368	98	182	258	1,351	390	1,641	100	31	218
	Russell (including operations in manufactures)	4	...	[4]22	[4]47	(NA)	(NA)	(NA)	(NA)	(NA)	[4]1,039	(NA)	[4]42	356
	Shelby, total	22	9	459	1,335	429	746	1,215	3,974	[3]1,633	[4]5,467	[5]140	437	1,566
	Mineral industries	18	6	314	848	284	455	728	1,895	863	2,618	140	296	1,059
	Included in manufactures	4	3	[4]145	[4]487	[4]145	291	487	2,079	[3]770	[4]2,849	(NA)	[4]141	507
	Nonmetallic minerals mining (including operations in manufactures)	10	6	[4]309	[4]1,019	[4]294	528	932	3,608	[3]1,528	[4]5,006	[5]130	(NA)	(NA)
14	Mineral industries only	6	3	164	532	149	237	445	1,529	758	2,157	130	(NA)	(NA)
	Talladega (including operations in manufactures)	4	3	[4]354	[4]1,174	[4]327	680	970	2,907	[3]618	[4]2,961	[5]564	[4]270	1,292
	Tuscaloosa	15	4	280	1,476	266	474	1,374	3,652	1,522	4,601	573	(NA)	(NA)
12	Bituminous coal mining	10	3	220	1,165	208	339	1,075	2,598	1,185	3,480	303	308	1,682

See footnotes at end of table.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954–Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Walker (mineral industries only)	34	10	1,424	7,175	1,321	2,288	6,603	16,187	6,502	21,863	826	[8]1,368	[9]11,456
12	Bituminous coal mining	31	8	1,355	7,011	1,252	2,161	6,439	15,838	6,386	21,436	788	[7]1,274	[7]10,517
138	Washington	4	...	18	63	(NA)	(NA)	(NA)	(NA)	(NA)	89	(NA)	(NA)	(NA)
13	Undistributed	35	1	122	601	(NA)	(NA)	(NA)	(NA)	(NA)	806	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]Represents the Bituminous Coal Industry only.
[8]Excludes data for the Oil and Gas Field Services Industries.
[9]Excludes data for one crude petroleum or natural gas establishment. See also footnote 8.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Alabama, total.....	357	316	41	30	...	...	...	2	...	1	...	147	4	42	...	9	3	3	26	12	33	3	14	23	...	1	4	...
No employees.....	45	45	...	8	...	...	...	...	...	...	...	5	2	26	...	...	2	...	...	...	1	...	1	...	...	...	...	...
1-4 employees....	89	70	19	5	...	...	...	...	...	...	...	33	...	7	...	2	1	1	3	2	12	1	6	15	...	...	1	...
5-9 employees....	62	53	9	4	...	...	...	...	...	...	...	36	...	4	...	1	...	...	3	1	3	1	1	7	...	...	1	...
10-19 employees..	70	65	5	1	...	...	...	1	...	...	...	33	2	1	...	4	...	...	8	3	8	1	5	1	...	1	1	...
20-49 employees..	51	46	5	4	...	...	...	1	...	...	...	20	...	3	...	2	...	...	6	5	9	...	1	...	...	...	...	...
50-99 employees..	17	16	1	3	...	...	...	...	...	1	...	5	...	1	...	...	...	...	5	1	...	...	...	...	...	...	1	...
100-249 employees	8	6	2	1	...	...	...	...	...	...	...	4	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...
250-499 employees	11	11	...	3	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees	4	4	...	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Baldwin:																												
0-19 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	1	...	1	...	...	...	...	...
Barbour:																												
0-19 employees...	4	4	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bibb:																												
0-19 employees...	6	6	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
20-99 employees..	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blount:																												
0-19 employees...	10	9	1	...	...	...	...	...	...	...	...	7	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...
20-99 employees..	2	2	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Butler:																												
0-19 employees...	6	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calhoun:																												
0-19 employees...	6	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	...
Chambers:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Chilton:																												
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Choctaw:																												
0-19 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Clarke:																												
0-19 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Cleburne:																												
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Colbert:																												
0-19 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
20-99 employees..	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Conecuh:																												
0-19 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Covington:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Crenshaw:																												
0-19 employees...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cullman:																												
0-19 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Dallas:																												
0-19 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	...	...
20-99 employees..	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
De Kalb:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Elmore:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Escambia:																											
0-19 employees....	10	8	2	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	3	1	...	1	...	...	...	...
Etowah:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Fayette:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Franklin:																											
0-19 employees....	4	4	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Greene:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Hale:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Houston:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	58	47	11	1	...	...	...	...	...	1	...	33	2	...	...	...	1	...	2	3	2	...	4	8	...	1	...	...
20-99 employees...	13	11	2	1	...	...	...	...	...	1	...	6	...	...	...	...	...	...	3	2	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	13	13	...	4	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lamar:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lee:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Macon:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
Madison:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marengo:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	23	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...
Mobile:																											
0-19 employees....	25	23	2	...	...	...	...	...	...	...	...	...	...	7	...	15	...	...	...	1	1	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Montgomery:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Morgan:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pickens:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Pike:																											
0-19 employees....	3	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Randolph:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Russell:																												
0-19 employees....	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	3	...	...	...	...
St. Clair:																												
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Shelby:																												
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	1	1	...	...	2	...	...	...	...	...
20-99 employees...	9	6	3	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	3	3	...	...	...	...	...	...	...	...
Sumter:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Talladega:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
Tuscaloosa:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	1	...	6	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	4	4	...	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Walker:																												
0-19 employees....	25	24	1	...	...	...	...	...	...	...	...	21	2	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Wilcox:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Winston:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	34	34	...	...	...	...	...	...	...	...	...	...	...	22	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

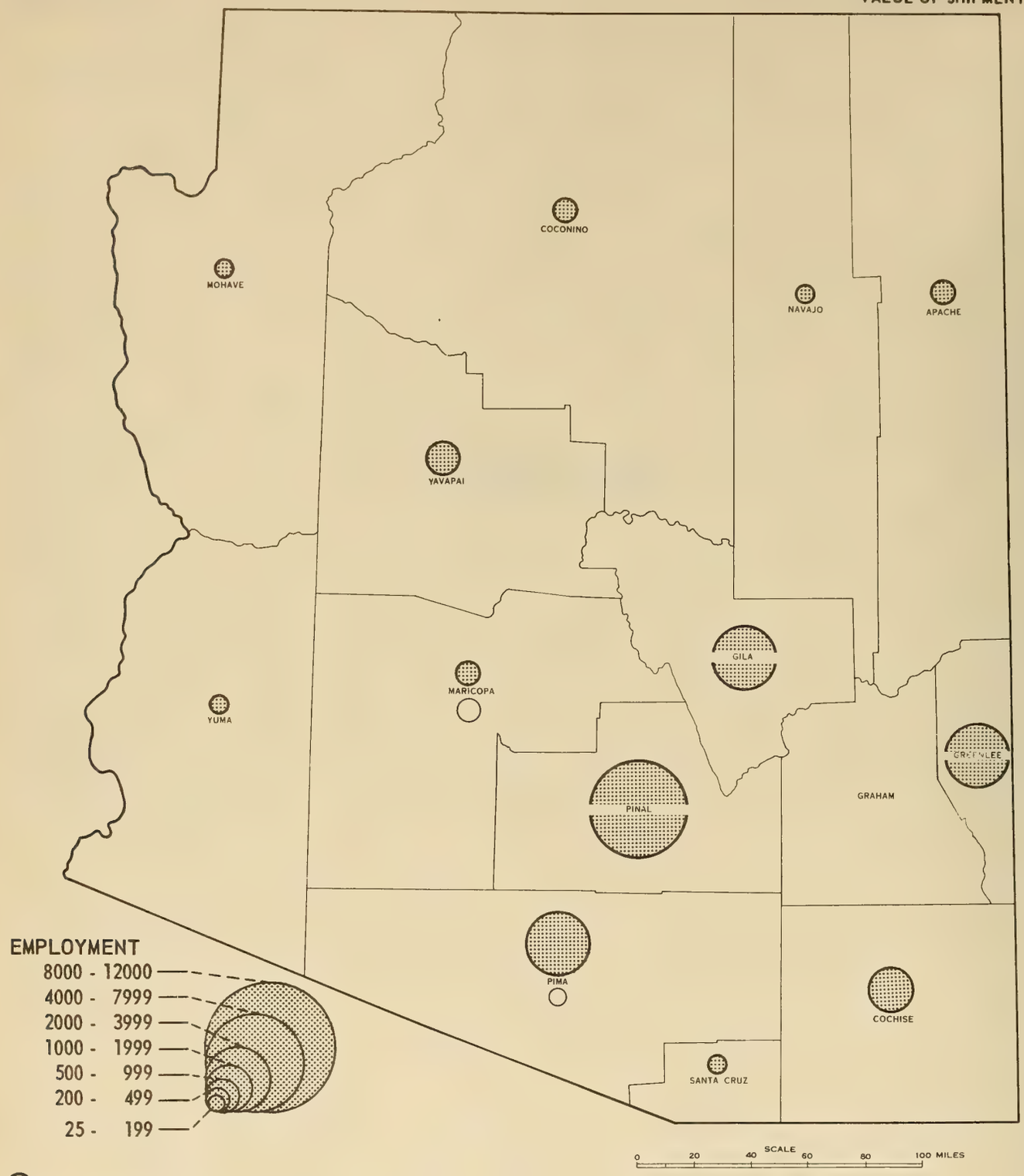
ARIZONA

2-1

EMPLOYMENT IN MINING BY COUNTY: 1958

ARIZONA

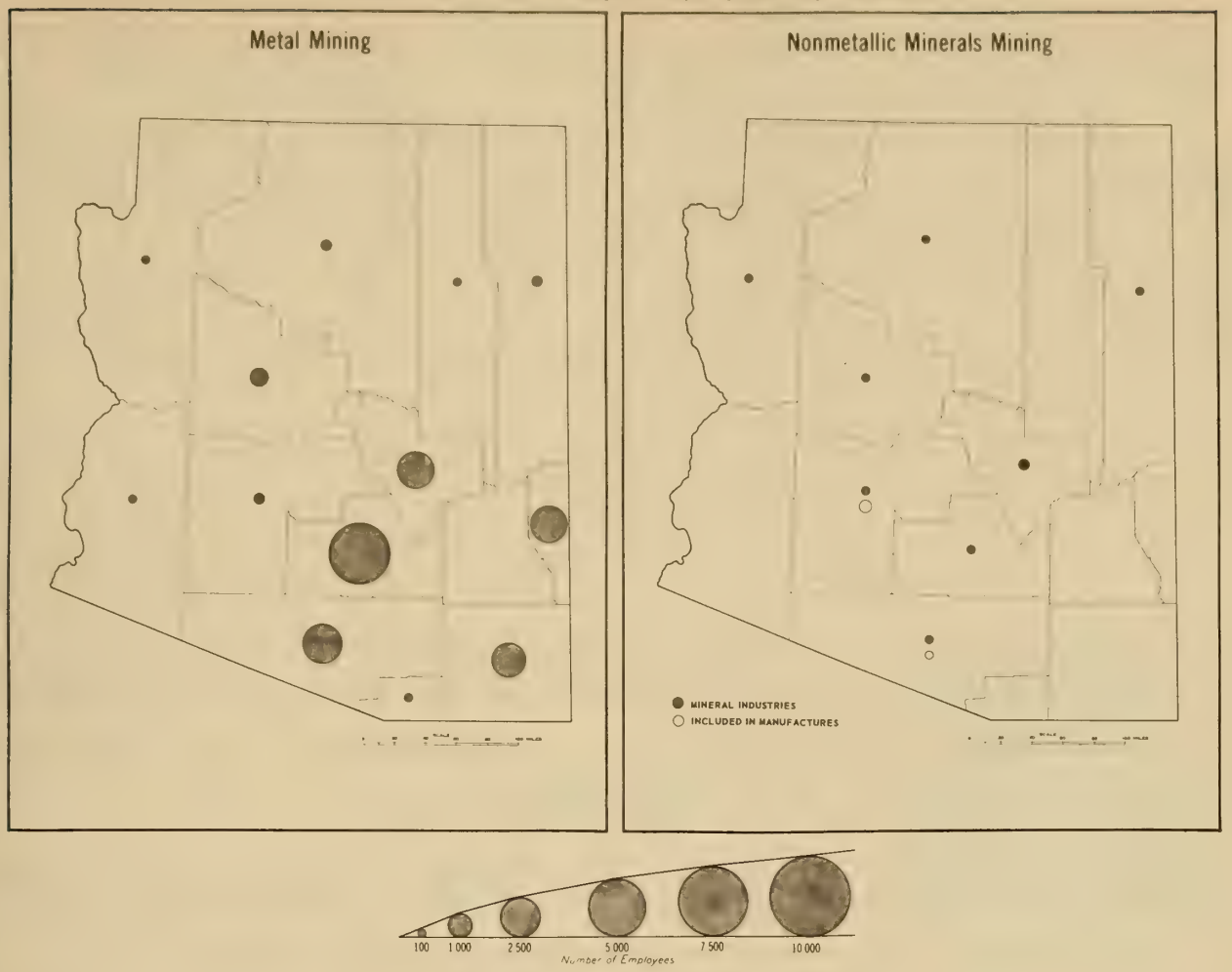
RANK AMONG STATES
EMPLOYMENT - 14
VALUE OF SHIPMENTS - 16



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN ARIZONA

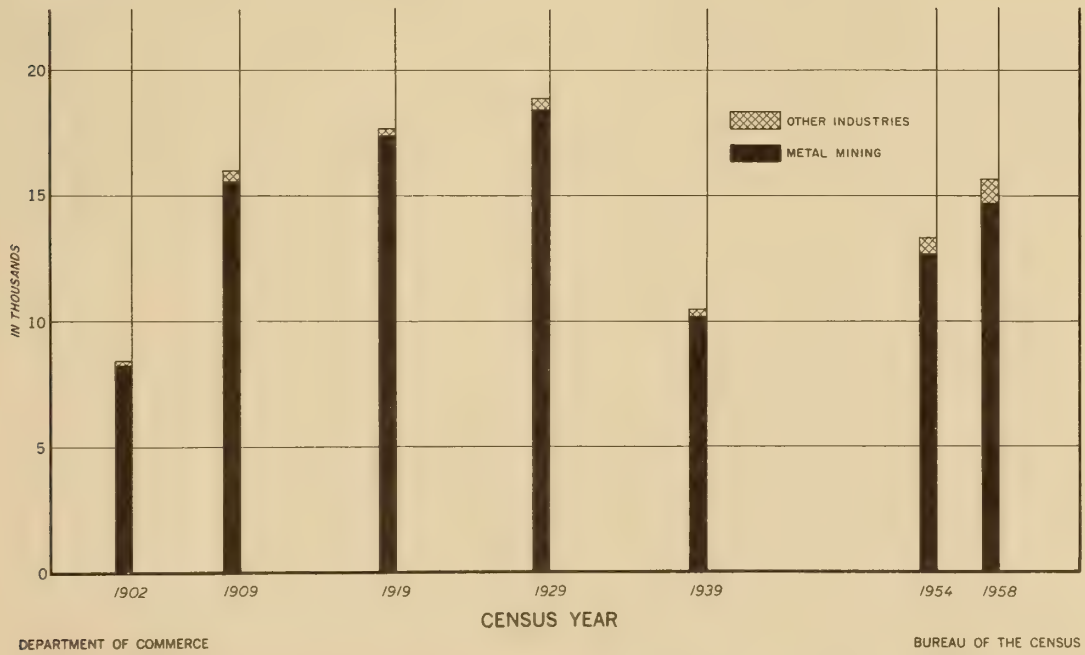
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

ARIZONA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	320	40	15,283	79,872	12,136	24,540	61,656	189,015	57,951	7,973	18,412	6,012	249,442	29,921	r4,579	r377
1954	525	36	13,231	66,584	11,014	25,169	53,889	[2]178,139	48,515	1,078	30,428	9,154	[2]217,936	47,867	3,747	340
Including operations in manufactures:																
1958	338	43	15,609	81,473	12,462	25,189	63,257	195,533	[3]59,168	7,973	[3]18,412	[4]6,012	257,177	[4]29,921	r4,579	r367
1954[5]	533	37	13,290	66,776	11,073	25,286	54,081	[2]179,001	[3]48,748	1,078	[3]30,428	[4]9,154	[2]219,031	[4]47,867	[4]3,747	338
1939[6]	[7]179	(NA)	10,389	17,066	9,400	22,059	14,561	40,560	13,540	(NA)	130	(NA)	54,230	(NA)	2,372	252
1929[8]	236	(NA)	18,875	33,514	17,274	(NA)	29,209	91,513	23,709	(NA)	1,256	7,404	116,478	(NA)	3,735	216
1919[9]	250	(NA)	17,673	30,454	16,066	(NA)	27,421	64,591	21,392	1,528	967	(NA)	88,478	(NA)	[10]2,912	181
1909[9]	445	(NA)	16,014	17,442	15,146	(NA)	15,970	19,531	12,907	1,370	410	(NA)	34,218	(NA)	(NA)	(NA)
1902[9]	[7]494	(NA)	8,400	8,559	[11]7,569	(NA)	7,389	6,855	3,985	(NA)	357	(NA)	11,197	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, the figures represent net production and exclude this duplication.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operation in manufacturing establishments.

[6]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 3 dimension stone quarries.

[7]Represents number of mines and quarries.

[8]Excludes data for establishments in the Oil and Gas Extraction Industries, if any.

[9]Excludes data for sand and gravel mining establishments and, except for 1902, for stone quarries operated as parts of cement and lime plants. In 1929, there were 3 such sand and gravel establishments with products valued at $82 thousand, and 2 such stone quarries.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 4 percent of the total kwh equivalent of energy used.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	338	43	15,609	81,473	12,462	25,189	63,257	195,533	[2]91,565	[3]257,177	(NA)	13,290	[4]179,001
	Mineral industries	320	40	15,283	79,872	12,136	24,540	61,656	189,015	90,348	249,442	29,921	13,231	[4]178,139
	Included in manufactures	18	3	[3]326	[3]1,601	[3]326	649	1,601	6,518	[2]1,217	[3]7,735	(NA)	[3]59	862
10	Metal mining	202	37	14,682	77,922	11,604	23,590	60,045	185,566	86,370	243,456	28,480	12,693	[4]174,384
1021	Copper ores	56	17	13,072	70,509	10,158	20,694	53,592	165,569	72,408	211,936	26,041	11,492	165,668
1031	Lead and zinc ores	22	4	416	2,264	355	763	1,880	4,077	2,334	6,241	170	(NA)	(NA)
106	Ferroalloy ores:													
1062	Manganese ores	63	8	378	1,432	335	580	1,222	4,031	4,021	7,275	777	201	2,519
108	Metal mining services	5	2	278	1,424	255	538	1,281	3,789	1,701	5,075	415	75	977
109	Miscellaneous metal ores	43	6	523	2,256	487	998	2,036	8,047	5,873	12,897	1,023	359	(NA)
1094	Uranium-radium-vanadium ores	35	6	507	2,220	473	978	2,007	7,980	5,804	12,855	929	340	(NA)
12, 13	Bituminous coal mining and Oil and gas extraction	25	...	66	276	53	97	188	([5])	1,862	203	700	([6])	([6])
	Nonmetallic minerals mining	111	6	861	3,275	805	1,502	3,024	10,926	[2]3,333	[3]13,518	(NA)	[6]597	[6]4,617
14	Mineral industries	93	3	535	1,674	479	853	1,423	4,408	2,116	5,783	741	[6]538	[6]3,755
	Included in manufactures	18	3	[3]326	[3]1,601	[3]326	649	1,601	6,518	[2]1,217	[3]7,735	(NA)	[3]59	862
1421	Crushed and broken stone (Mineral industry only)	15	...	58	201	49	85	170	519	283	745	57	[7]72	[7]793
	Sand and gravel	44	2	390	1,761	378	712	1,726	6,280	[2]1,435	[3]7,564	(NA)	(NA)	(NA)
1441	Mineral industry	33	...	108	360	96	149	325	993	516	1,358	151	121	1,349
	Included in manufactures	11	2	[3]282	[3]1,401	[3]282	563	1,401	5,287	[2]919	[3]6,206	(NA)	(NA)	(NA)
149	Miscellaneous minerals, nec	20	3	281	832	250	466	660	2,258	1,007	2,861	404	180	1,126
1499	Nonmetallic minerals, nec	10	3	222	587	201	379	471	1,092	570	1,454	208	(NA)	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[5]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the value of shipments and receipts and capital expenditures.

[6]Data for Bituminous Coal Mining and Oil and Gas Extraction are included with the data for Nonmetallic Minerals Mining.

[7]Includes data for mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	90,348	57,951	7,973	18,412	6,012	29,921	10,396	19,525	xxx	xxx	xxx	xxx
10	Metal mining	86,370	[3]63,845	([3])	16,906	5,619	28,480	9,669	18,811	xxx	xxx	xxx	xxx
1021	Copper ores	72,408	[3]53,643	([3])	14,469	4,296	26,041	8,936	17,105	[4]56,525	205,266	(NA)	(D)
1031	Lead and zinc ores	2,334	[3]1,798	([3])	493	43	170	34	136	[4]384	[5]6,125	(NA)	([5])
106	Ferroalloy ores:												
1062	Manganese ores	4,021	[3]2,171	([3])	1,305	545	777	129	648	[6]140	6,707	...	...
108	Metal mining services	1,701	1,174	...	112	415	415	...	415	xxx	(NA)	xxx	(NA)
109	Miscellaneous metal ores	5,873	[3]5,036	([3])	517	320	1,023	554	469	xxx	xxx	xxx	xxx
1094	Uranium-radium-vanadium ores	5,804	[3]4,980	([3])	508	316	929	528	401	[4]222	[7]6,864	(NA)	...
12, 13	Bituminous coal mining and Oil and gas extraction	1,862	504	...	1,294	64	700	617	83	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining	2,116	[3]1,575	([3])	212	329	741	110	631	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents thousands of tons of crude ore mined and is not directly comparable with the figure for value of shipments in the succeeding column.
[5]The value of shipments of primary products by establishments classified in other industries is included with the value of shipments of primary products by establishments classified in the specified industry. The figure shown represents gross shipments and includes the value of shipments of lead and zinc ores and old tailings to mills.
[6]Represents thousands of long tons.
[7]Represents gross value of shipments of crude ore only.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	311	233	152	54	88	10	77	15	55	7	4	78
	Number of employees	14,990	14,748	(D)	1,414	268	(D)	12,752	5,108	7,552	92	(D)	242
	Value added in mining, $1,000	185,088	187,331	(D)	15,058	3,781	(D)	163,725	41,308	121,821	596	(D)	[3]
10	Metal mining:												
	Number of establishments	197	139	97	49	45	3	38	11	26	1	4	58
	Number of employees	14,404	14,202	(D)	1,390	136	(D)	(D)	4,973	7,397	(D)	(D)	202
	Value added in mining, $1,000	181,777	182,836	(D)	14,986	1,938	(D)	(D)	40,708	120,605	(D)	(D)	[3]
1021	Copper ores:												
	Number of establishments	56	37	21	12	9	...	16	5	11	...	...	19
	Number of employees	13,072	12,976	1,089	1,073	16	...	11,887	(D)	(D)	...	...	96
	Value added in mining, $1,000	165,569	166,095	10,927	10,510	417	...	155,168	(D)	(D)	...	...	[3]
1031	Lead and zinc ores:												
	Number of establishments	22	11	7	7	...	...	3	3	...	...	1	11
	Number of employees	416	364	54	54	...	...	(D)	(D)	...	...	(D)	52
	Value added in mining, $1,000	4,077	4,521	473	473	...	...	(D)	(D)	...	...	(D)	[3]
1062	Manganese ores:												
	Number of establishments	63	55	38	9	28	1	15	2	13	...	2	8
	Number of employees	378	361	(D)	107	64	(D)	189	(D)	(D)	...	(D)	17
	Value added in mining, $1,000	4,031	4,027	(D)	999	893	(D)	2,134	(D)	(D)	...	(D)	4
1094	Uranium-radium-vanadium ores:												
	Number of establishments	35	26	25	18	5	2	...	...	...	...	1	9
	Number of employees	507	493	(D)	150	54	(D)	...	...	...	...	(D)	14
	Value added in mining, $1,000	7,980	8,023	(D)	2,975	585	(D)	...	...	...	...	(D)	[3]
12 13	Bituminous coal mining and Oil and gas extraction:												
	Number of establishments	23	3	3	2	...	1	...	...	...	...	...	20
	Number of employees	[4]66	[4]26	[4]26	(D)	...	(D)	...	...	...	...	...	40
	Value added in mining, $1,000	[3]	[4]225	[4]225	(D)	...	(D)	...	...	...	...	...	[3]
14	Nonmetallic minerals mining:												
	Number of establishments	91	91	52	3	43	6	39	4	29	6	...	...
	Number of employees	[5]535	[5]535	[5]153	(D)	132	(D)	382	135	155	92	...	...
	Value added in mining only, $1,000	[5]4,408	[5]4,408	(D)	(D)	1,843	158	(D)	600	1,216	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 6 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded value of shipments and capital expenditures.
[4]Includes data for the Oil and Gas Field Services Industries.
[5]Includes data for the Nonmetallic Minerals Services Industries.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	ARIZONA:													
	All mineral operations	338	43	15,609	81,473	12,462	25,189	63,257	195,533	[3]91,565	[4]257,177	(NA)	13,290	[5]179,001
	Mineral industries	320	40	15,283	79,872	12,136	24,540	61,656	189,015	90,348	249,442	29,921	13,231	[5]178,139
	Included in manufactures	18	3	[4]326	[4]1,601	[4]326	649	1,601	6,518	[3]1,217	[4]7,735	(NA)	[4]59	862
	COUNTIES													
	Apache:													
	Including oil and gas extraction	23	2	274	1,148	(NA)	(NA)	(NA)	(NA)	(NA)	3,729	(NA)	315	(NA)
	Excluding oil and gas extraction	14	2	250	1,029	243	478	986	2,188	1,452	3,513	127	(NA)	(NA)
	Cochise (mineral industries only)	16	2	1,886	(D)	999	(D)	(D)	(D)	(D)	(D)	(D)	1,816	(D)
	Coconino	40	3	298	1,371	265	519	1,179	5,645	4,763	9,801	607	72	[5]210
10	Metal mining	25	3	241	1,232	211	446	1,054	4,809	4,452	8,703	558	38	[5]43
	Gila	39	7	2,166	(D)	1,753	(D)	(D)	(D)	(D)	(D)	(D)	2,982	[5]33,771
14	Nonmetallic minerals mining	11	2	180	506	166	337	425	1,081	676	1,497	260	138	874
	Graham	5	...	19	111	18	40	104	125	122	242	5	45	[5]285
	Maricopa, total	42	6	526	2,463	493	946	2,272	7,522	[3]3,902	[4]11,016	[6]408	174	[5]1,894
	Mineral industries	34	4	252	1,121	219	400	929	2,699	3,030	5,321	408	167	[5]1,714
	Included in manufactures	8	2	[4]274	[4]1,342	[4]274	546	1,343	4,823	[3]872	[4]5,695	(NA)	[1]7	[1]180
10	Metal mining	20	4	203	907	174	309	734	2,197	2,842	4,722	317	56	[5]504
	Mohave	23	1	104	430	76	138	308	551	296	718	129	74	[5]647
	Navajo (mineral industries only)	10	1	92	359	86	212	320	1,869	(D)	1,699	(D)	37	[5]38
	Pima (mineral industries only)	41	9	2,467	12,628	2,059	4,275	10,444	37,047	24,402	48,190	13,259	1,840	34,305
10	Metal mining	28	9	2,405	12,458	2,006	4,204	10,300	36,682	24,167	47,633	13,216	(NA)	(NA)
102	Copper ores	13	5	2,151	11,334	1,771	3,722	9,280	34,246	(D)	43,582	(D)	(NA)	(NA)
	Pinal (mineral industries only)	28	4	4,801	(D)	3,937	(D)	(D)	(D)	(D)	(D)	(D)	2,862	(D)
	Yavapai (mineral industries only)	38	3	713	(D)	619	(D)	(D)	(D)	(D)	(D)	(D)	700	9,600
	Yuma (mineral industries only)	27	3	115	430	108	196	382	1,390	1,099	2,172	317	102	[5]1,772
10	Metal mining	21	3	106	394	99	181	346	1,239	1,052	1,992	299	(NA)	(NA)
106	Ferroalloy ores	16	2	85	304	79	142	264	782	919	1,486	215	(NA)	(NA)
13	Undistributed	22	...	9	24	(NA)	(NA)	(NA)	(NA)	(NA)	51	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Arizona, total.....	338	320	18	...	56	22	11	...	65	5	43	2	...	21	...	2	18	1	15	3	33	11	3	3	2	2	20	...
No employees.....	98	98	...	...	15	3	5	...	25	1	17	...	...	16	...	...	7	...	2	...	5	...	...	...	...	...	2	...
1-4 employees.....	135	125	10	...	19	10	6	...	22	...	12	...	...	2	...	2	10	1	9	1	22	5	1	3	...	1	9	...
5-9 employees.....	30	27	3	...	2	2	...	...	6	2	6	1	...	1	...	...	...	...	2	1	2	2	...	...	1	1	1	...
10-19 employees...	32	30	2	...	3	3	...	...	4	...	2	1	...	2	...	...	1	...	2	...	4	2	2	...	1	...	5	...
20-49 employees...	16	15	1	...	2	3	...	...	7	1	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
50-99 employees...	9	8	1	...	1	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...
100-249 employees.	5	4	1	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
250-499 employees.	4	4	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	4	4	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000-2,499 employees.....	r4	r4	...	...	r4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2,500 employees and over.....	r1	r1	...	...	r1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Apache:																												
0-19 employees....	21	21	...	...	...	...	...	...	...	...	8	...	...	3	...	6	...	...	...	...	2	...	2	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cochise:																												
0-19 employees....	15	14	1	...	4	2	...	...	2	2	1	...	...	...	...	1	1	...	1	1	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coconino:																												
0-19 employees....	37	37	...	...	...	...	...	...	7	3	12	1	...	...	...	...	7	...	2	...	2	...	...	...	...	...	3	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gila:																												
0-19 employees....	32	32	...	...	5	1	2	...	6	3	6	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	6	...
20-99 employees...	4	4	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
250 employees and over.....	3	3	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Graham:																												
0-19 employees....	5	5	...	...	1	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Greenlee:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maricopa:																												
0-19 employees....	36	30	6	...	...	...	1	...	11	2	2	...	...	2	...	...	1	...	3	...	7	5	...	1	...	...	1	...
20-99 employees...	5	4	1	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Mohave:																												
0-19 employees....	22	22	...	...	1	1	3	...	5	2	3	...	...	1	...	...	...	...	1	...	2	...	1	...	1	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Navajo:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	...	1	1	...	...	...	2	...	1	1	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pima:																												
0-19 employees....	35	32	3	...	8	4	3	...	1	3	...	...	...	...	...	...	...	...	3	...	9	1	...	2	...	...	1	...
20-99 employees...	6	5	1	...	1	2	...	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2. rRevised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Pinal:																											
0-19 employees....	25	24	1	...	7	3	...	...	4	3	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	4	...
20-99 employees...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Santa Cruz:																											
0-19 employees....	8	7	1	...	2	3	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yavapai:																											
0-19 employees....	36	35	1	...	9	2	1	...	5	2	4	...	...	...	...	...	7	...	2	1	2	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yuma:																											
0-19 employees....	25	24	1	...	2	1	1	...	14	...	...	...	...	...	...	...	1	...	1	...	3	1	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	15	...	7	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

ARKANSAS

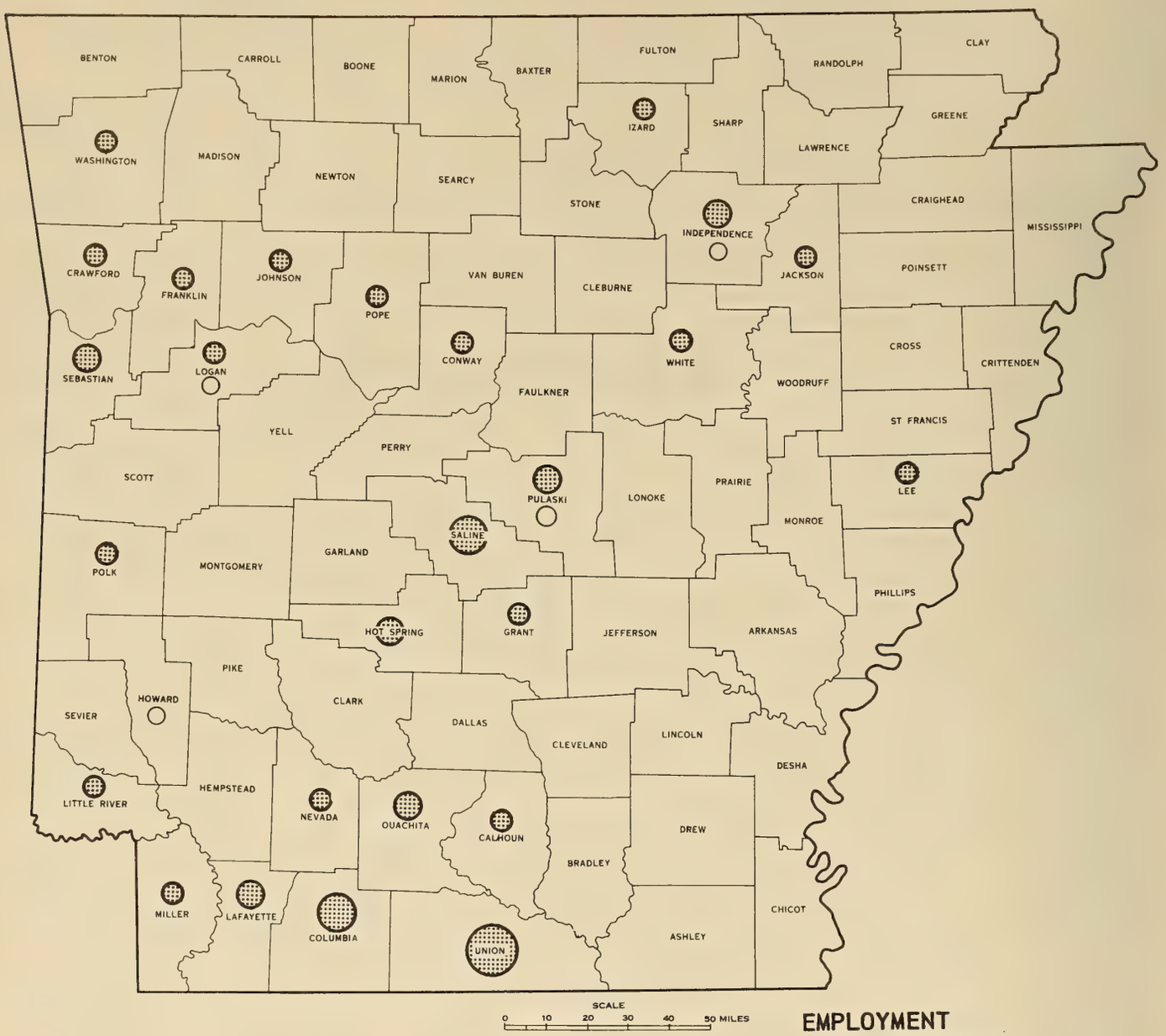
3-1

EMPLOYMENT IN MINING BY COUNTY: 1958

ARKANSAS

RANK AMONG STATES
EMPLOYMENT - 26
VALUE OF SHIPMENTS - 25

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES



EMPLOYMENT

8000 -	12000
4000 -	7999
2000 -	3999
1000 -	1999
500 -	999
200 -	499
25 -	199

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

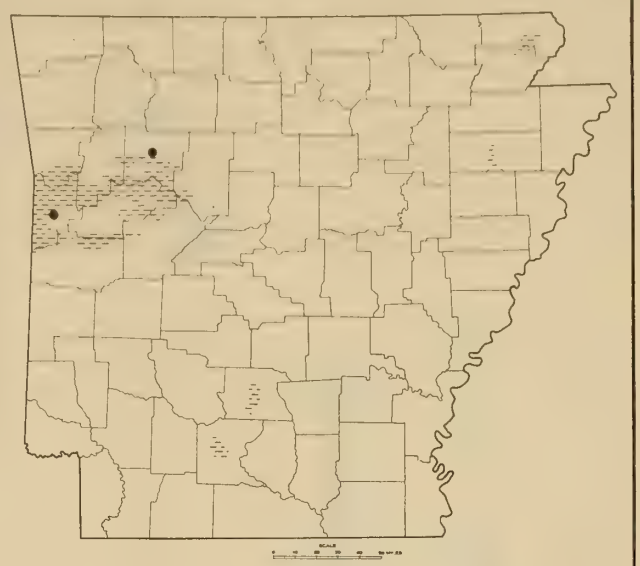
MINING IN ARKANSAS

Employment For Industry Group By County: 1958

Metal Mining

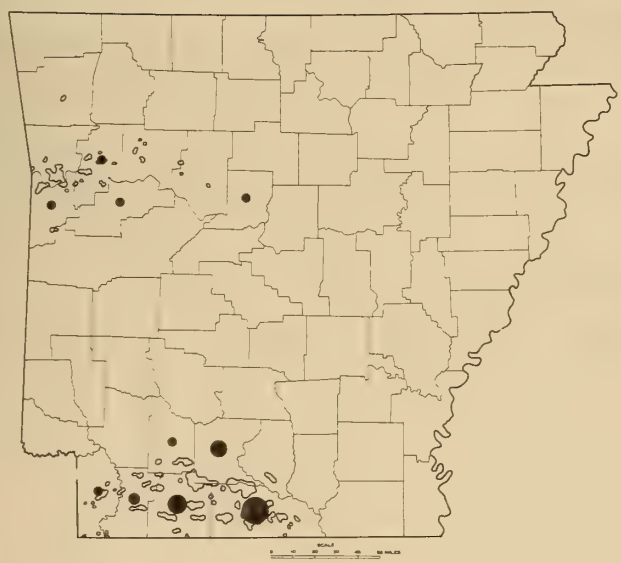


Coal Mining



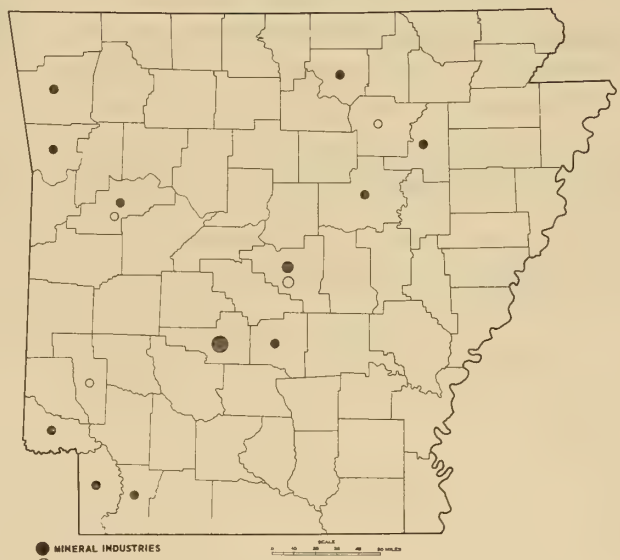
General Extent of Coal Fields

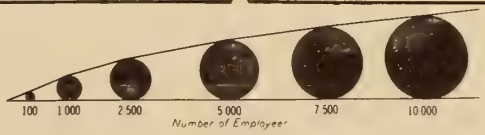
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

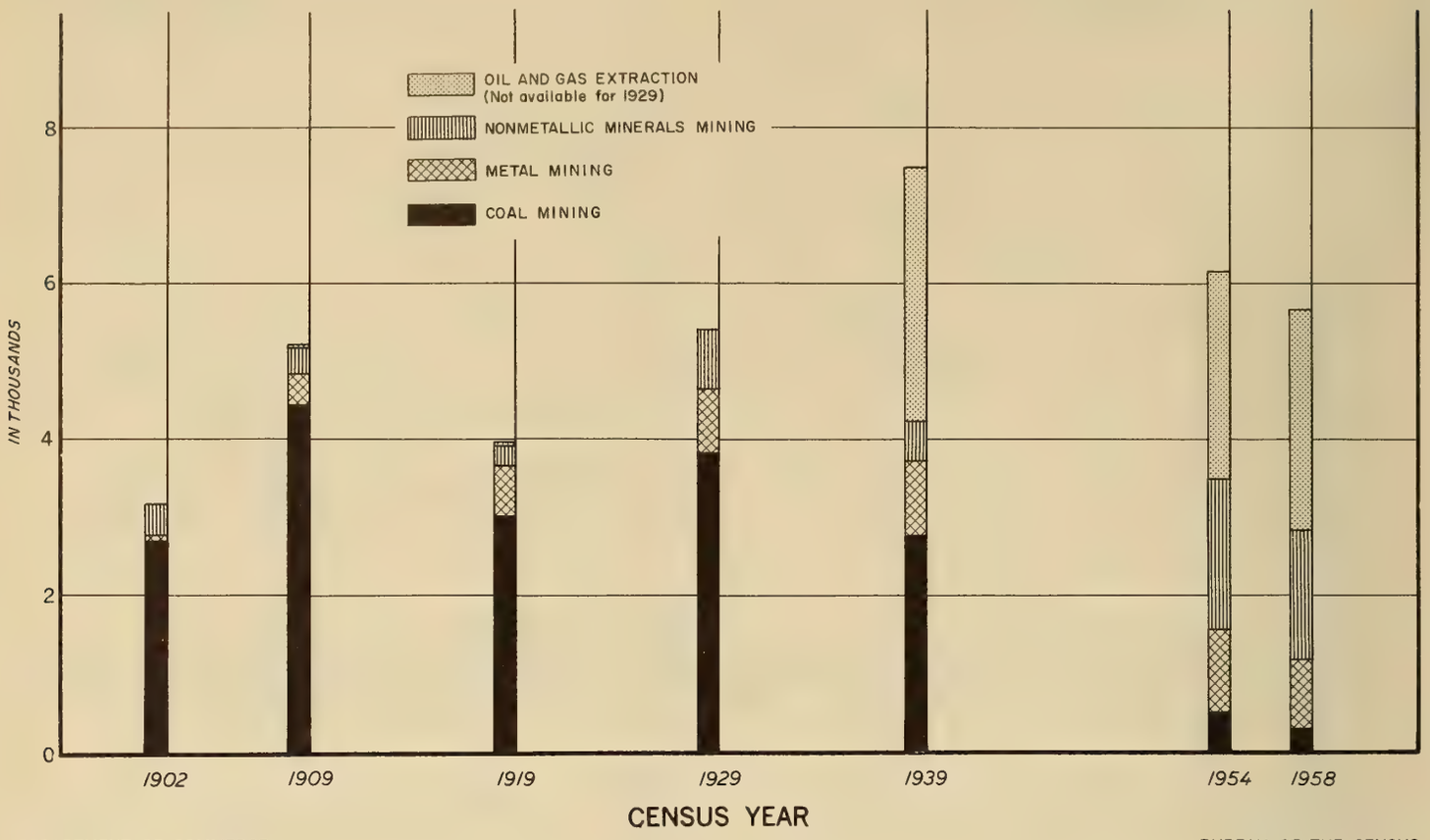




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

ARKANSAS



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	443	61	5,302	23,425	4,074	7,924	16,362	110,530	[2]19,858	[2]3,456	11,084	7,814	136,473	16,269	r3,750	r920
1954	410	67	5,910	22,483	4,985	9,986	17,501	[3]107,904	19,951	[4]2,085	12,855	7,139	[3]136,241	13,690	3,793	761
Including operations in manufactures:																
All operations:																
1958	463	66	5,635	24,587	4,399	8,525	17,503	114,459	[2 5]20,530	[2]3,456	[5]11,094	[6]7,816	141,084	[6]16,271	re3,752	r853
1954[7]	423	72	6,131	22,977	5,206	10,425	17,995	[3]110,107	[5]20,386	[4]2,085	[5]12,855	[6]7,139	[3]138,879	[6]13,690	[6]3,793	729
1939[8]	[9]307	(NA)	7,477	8,734	6,926	10,737	7,446	22,150	4,040	(NA)	5,158	(NA)	31,348	(NA)	3,306	477
1919[10]	126	(NA)	3,964	5,175	3,630	(NA)	4,573	6,423	1,677	[11]166	139	(NA)	8,405	(NA)	[12]690	190
1909[10]	121	(NA)	5,183	3,270	4,941	(NA)	3,031	3,973	510	...	121	(NA)	4,604	(NA)	(NA)	(NA)
1902[13]	[9]126	(NA)	3,156	2,139	[14]2,945	(NA)	1,946	2,591	244	(NA)	5	(NA)	2,840	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	169	34	2,829	11,180	2,361	4,584	8,749	34,128	[2 5]7,828	([2])	[5]533	[6]2,981	42,515	[6]2,955	re405	r172
1954[7]	155	37	3,392	12,017	3,033	6,221	10,213	[3]40,022	[5]9,222	946	[5]2,258	[6]2,637	[3]52,749	[6]2,333	[6]610	201
1939	[9]143	(NA)	4,315	3,668	4,026	5,518	3,117	5,793	1,560	(NA)	54	(NA)	7,407	(NA)	402	100
1929[15]	128	(NA)	5,381	5,726	5,030	(NA)	4,917	9,558	1,703	(NA)	107	619	11,368	(NA)	504	100
1919[10]	119	(NA)	3,924	5,119	3,614	(NA)	4,546	6,135	1,591	...	57	(NA)	7,783	(NA)	[12]667	185
1909[10]	117	(NA)	5,170	3,255	4,939	(NA)	3,030	3,962	473	...	43	(NA)	4,478	(NA)	(NA)	(NA)

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishments in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]For Metal Mining Industries, the cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[5]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[6]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[7]Excludes data for sand and gravel mining operations in manufacturing establishments.

[8]Includes data for one or two establishments primarily engaged in oil and gas field hauling. Such operations were not classified in the mineral industries for 1954 and 1958.

[9]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[10]Excludes data for sand and gravel operations and stone quarries operated as parts of cement and lime plants. In 1929, there were 16 such sand and gravel establishments, with products valued at $1,572 thousand, and 3 such stone quarries at lime plants. See also footnote 15. For 1919, also excludes data for 2 nonproducing establishments. For "Excluding oil and gas extraction industries" in 1909, except for number of establishments, includes data for one nonproducing establishment in these industries.

[11]Represents cost of gas purchased for resale.

[12]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 3 percent of the total kwh equivalent of energy used.

[13]Excludes data for sand, gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $83 thousand. No oil and gas extraction operations were reported for 1902, hence, these figures are also comparable with those shown for later years for "Excluding oil and gas extraction industries."

[14]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[15]Excludes data for common clay and shale operations. In 1939, there were 10 such clay and shale mines, with products valued at $80 thousand.

[r]Revised.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	463	66	5,635	24,587	4,399	8,525	17,503	114,459	[2]42,896	[3]141,084	[4]16,271	6,131	[5]110,107
	Mineral industries	443	61	5,302	23,425	4,074	7,924	16,362	110,530	42,212	136,473	16,269	5,910	[5]107,904
	Included in manufactures	20	5	[3]333	[3]1,162	[3]325	601	1,141	3,929	[2]684	[3]4,611	[4]2	[3]221	2,203
10 & 12	Metal mining and Bituminous coal mining	70	16	1,149	5,216	900	1,590	3,800	18,700	5,170	22,097	1,773	1,549	[5]17,431
1051	Bauxite	18	8	632	3,381	447	813	2,182	15,023	3,607	17,241	1,389	806	12,383
1062	Ferroalloy ores (manganese ores)	19	4	239	552	206	366	491	1,478	302	1,643	137	145	881
1211	Bituminous coal	29	4	252	1,219	228	388	1,081	2,081	1,205	3,086	200	457	2,783
13	Oil and gas extraction	294	32	2,806	13,407	2,038	3,941	8,754	80,331	31,554	98,569	13,316	2,739	70,085
1311	Crude petroleum and natural gas	210	22	1,905	9,636	1,229	2,348	5,476	70,497	22,582	81,986	11,093	1,709	61,194
	Crude petroleum	205	20	1,803	9,221	1,164	2,253	5,250	68,115	19,831	78,747	9,199	1,651	60,398
	Natural gas	5	2	102	415	65	95	226	2,382	2,751	3,239	1,894	58	796
1321	Natural gas liquids	9	3	205	1,242	178	392	1,039	4,114	5,554	8,112	1,556	258	[6]4,007
138	Oil and gas field services	75	7	696	2,529	631	1,201	2,239	5,720	3,418	8,471	667	772	4,884
1381	Drilling oil and gas wells	34	5	419	1,594	386	710	1,402	3,700	2,797	5,906	591	262	2,301
1389	Oil and gas field services, nec	38	2	271	907	241	481	816	1,863	557	2,344	76	(NA)	(NA)
	Nonmetallic minerals mining	99	18	1,680	5,964	1,461	2,994	4,949	15,428	[2]6,172	[3]20,418	[4]1,182	1,843	22,591
14	Mineral industries	79	13	1,347	4,802	1,136	2,393	3,808	11,499	5,488	15,807	1,180	1,622	20,388
	Included in manufactures	20	5	[3]333	[3]1,162	[3]325	601	1,141	3,929	[2]684	[3]4,611	[4]2	[3]221	2,203
	Dimension stone	20	2	142	268	121	168	225	465	182	605	42	92	303
1411	Mineral industry	15	...	71	132	58	90	110	296	106	362	40	92	303
	Included in manufactures	5	2	71	136	63	78	115	169	76	243	2		
	Dimension stone, nec (mineral subindustry only)	12	...	67	122	54	83	100	255	68	304	19	(NA)	(NA)
	Crushed and broken stone: Crushed and broken limestone (mineral subindustry only)	9	3	159	465	137	304	399	1,281	643	1,780	144	101	574
1441	Sand and gravel (mineral industry only)	34	6	389	1,347	329	655	1,016	2,845	1,578	4,013	410	427	3,139
	Clay and related minerals: Clay and related minerals, nec.	9	1	[3]137	[3]365	[3]132	269	320	109	[2]546	[3]403	(NA)	[3]85	(NA)
147	Chemical and fertilizer minerals	4	2	366	1,485	272	513	1,040	4,629	1,272	5,731	170	(NA)	(NA)

NA Not available.

[1]Excludes figures for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of such gas was used in computing value added in mining.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	42,212	[3]19,858	[3]3,456	11,084	7,814	16,269	5,867	10,402	xxx	xxx	xxx	xxx
10 & 12	Metal mining and Bituminous coal mining.....	5,170	[4]3,119	([4])	398	1,653	1,773	135	1,638	xxx	xxx	xxx	xxx
1051	Bauxite.....	3,607	[4]1,849	([4])	290	1,468	1,389	(D)	(D)	1,361	16,599	...	...
13	Oil and gas extraction.....	31,554	12,702	3,456	10,561	4,835	13,316	5,610	7,706	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	22,582	9,967	...	8,770	3,845	11,093	5,516	5,577	xxx	80,989	xxx	740
	Crude petroleum.....	19,831	8,852	...	7,287	3,692	9,199	4,152	5,047	[5]26,890	76,642	[5]272	740
1321	Natural gas liquids.....	5,554	551	3,456	1,222	325	1,556	...	1,556	[6]2,267	[6]5,390	...	...
138	Oil and gas field services.....	3,418	2,184	...	569	665	667	94	573	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	2,797	1,764	...	438	595	591	76	515	xxx	[7]5,920	xxx	([7])
14	Nonmetallic minerals mining.....	5,488	4,037	...	125	1,326	1,180	122	1,058	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals.....	1,272	1,226	...	(D)	(D)	170	(D)	(D)	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for minerals received for preparation in the Metal Mining Industries are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[6]Represents net shipments of natural gas liquids only. Quantity figures are in thousands of barrels.

[7]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All establishments:												
	Number of establishments	366	351	266	13	45	208	66	11	50	5	19	15
	Number of employees	4,592	4,540	2,640	(D)	388	(D)	1,589	347	1,170	72	311	52
	Value added in mining, $1,000	104,700	105,023	86,604	(D)	5,088	(D)	12,750	2,524	9,721	505	5,669	(2)
10 & 12	Metal mining and Bituminous coal mining:												
	Number of establishments	69	64	37	13	23	1	21	8	13	...	6	5
	Number of employees	[3]1,149	(D)	626	(D)	(D)	(D)	(D)	(D)	(D)	...	(D)	(D)
	Value added in mining, $1,000	[3]18,700	(D)	14,917	(D)	(D)	(D)	(D)	(D)	(D)	...	(D)	(D)
1051	Bauxite:												
	Number of establishments	18	17	11	3	7	1	1	...	1	...	5	1
	Number of employees	632	(D)	(D)	(D)	211	(D)	(D)	...	(D)	...	(D)	(D)
	Value added in mining, $1,000	15,023	(D)	(D)	(D)	3,864	(D)	(D)	...	(D)	...	(D)	(D)
13	Oil and gas extraction:												
	Number of establishments	219	210	201	...	...	201	...	...	...	...	9	9
	Number of employees	2,110	2,086	1,881	...	...	1,881	...	...	...	...	205	24
	Value added in mining, $1,000	74,611	74,959	70,845	...	...	70,845	...	...	...	...	4,114	(2)
14	Nonmetallic minerals mining:												
	Number of establishments	78	77	28	...	22	6	45	3	37	5	4	1
	Number of employees	[3]1,347	(D)	133	...	(D)	(D)	(D)	(D)	887	72	(D)	(D)
	Value added in mining, $1,000	[3]11,499	(D)	842	...	(D)	(D)	(D)	(D)	7,504	505	(D)	(D)
147	Chemical and fertilizer minerals:												
	Number of establishments	4	4	...	...	...	...	2	1	1	...	2	...
	Number of employees	366	366	...	...	...	...	(D)	(D)	(D)	...	(D)	...
	Value added in mining, $1,000	4,629	4,629	...	...	...	...	(D)	(D)	(D)	...	(D)	...

D Withheld to avoid disclosing data for individual companies.

[1]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.

[2]Not shown since the cost of supplies, minerals received for preparation, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

[3]Includes data for mining services operations.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	ARKANSAS:													
	All mineral operations	463	66	5,635	24,587	4,399	8,525	17,503	114,459	[3]42,896	[4]141,084	[5]16,271	6,131	[6]110,107
	Mineral industries	443	61	5,302	23,425	4,074	7,924	16,362	110,530	42,212	136,473	16,269	5,910	[6]107,904
	Included in manufactures	20	5	[4]333	[4]1,162	[4]325	601	1,141	3,929	[3]684	[4]4,611	[5]2	[4]221	2,203
	COUNTIES													
	Calhoun (including operations in manufactures)	7	...	[4]30	[4]133	(NA)	(NA)	(NA)	(NA)	(NA)	[4]733	(NA)	[4] [7]65	(NA)
144	Clay	4	...	4	9	4	5	9	25	(D)	29	(D)	(NA)	(NA)
	Columbia	87	8	556	2,699	(NA)	(NA)	(NA)	(NA)	(NA)	26,897	(NA)	[7]579	(NA)
131	Crude petroleum and natural gas	49	5	333	1,646	(NA)	(NA)	(NA)	(NA)	(NA)	20,413	(NA)	440	(NA)
13	Conway	7	1	41	151	(NA)	(NA)	(NA)	(NA)	(NA)	195	(NA)	(NA)	(NA)
	Crawford	5	...	27	155	(NA)	(NA)	(NA)	(NA)	(NA)	170	(NA)	(NA)	(NA)
	Franklin	8	1	113	485	(NA)	(NA)	(NA)	(NA)	(NA)	5,353	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	3	...	64	316	(NA)	(NA)	(NA)	(NA)	(NA)	4,942	(NA)	(NA)	(NA)
138	Hempstead	3	...	...	...	(NA)	(NA)	(NA)	(NA)	(NA)	96	(NA)	(NA)	(NA)
	Independence (mineral industries only)	19	3	205	500	179	312	452	1,429	239	1,564	104	145	936
1062	Manganese ores	12	3	193	472	170	298	428	1,337	177	1,421	93	130	851
	Johnson (mineral industries only)	16	2	108	463	(NA)	(NA)	(NA)	(NA)	(NA)	1,924	(NA)	[8]172	[8]1,260
12	Bituminous coal mining	12	2	104	443	91	148	375	1,104	644	1,685	63	[9]147	[9]1,121
	Lafayette, total	57	2	204	1,067	(NA)	(NA)	(NA)	(NA)	(NA)	17,487	(NA)	[7]198	(NA)
131	Crude petroleum and natural gas	27	...	71	351	(NA)	(NA)	(NA)	(NA)	(NA)	12,919	(NA)	58	(NA)
138	Oil and gas field services	26	...	18	66	(NA)	(NA)	(NA)	(NA)	(NA)	1,204	(NA)	(NA)	(NA)
132 & 14	Natural gas liquids and Nonmetallic minerals mining	4	2	115	650	99	223	533	2,334	1,089	3,364	59	140	2,595
	Logan (mineral industries only)	10	1	84	273	(NA)	(NA)	(NA)	(NA)	(NA)	609	(NA)	[7]97	[7]473
	Miller	46	1	159	758	(NA)	(NA)	(NA)	(NA)	(NA)	6,995	(NA)	[7]131	(NA)
131	Crude petroleum and natural gas	23	...	58	287	(NA)	(NA)	(NA)	(NA)	(NA)	5,297	(NA)	(NA)	(NA)
	Nevada	31	...	58	271	(NA)	(NA)	(NA)	(NA)	(NA)	1,941	(NA)	[7]51	(NA)
131	Crude petroleum and natural gas	17	...	46	227	(NA)	(NA)	(NA)	(NA)	(NA)	1,672	(NA)	(NA)	(NA)
	Ouachita	92	3	394	1,809	(NA)	(NA)	(NA)	(NA)	(NA)	17,029	(NA)	[7]292	(NA)
131	Crude petroleum and natural gas	67	3	291	1,438	(NA)	(NA)	(NA)	(NA)	(NA)	16,053	(NA)	(NA)	(NA)
	Pope (mineral industries only)	9	...	39	175	(NA)	(NA)	(NA)	(NA)	(NA)	817	(NA)	(NA)	(NA)
	Pulaski (mineral industries only)	17	5	352	1,583	315	657	1,368	3,087	(NA)	5,046	(NA)	[7]550	(NA)
	Saline	12	4	525	2,860	364	659	1,804	14,078	2,734	15,477	1,335	809	11,951
	Sebastian (mineral industries only)	23	3	195	950	(NA)	(NA)	(NA)	(NA)	(NA)	1,516	(NA)	[7]272	(NA)
13	Union (mineral industries only), total	149	7	990	4,856	(NA)	(NA)	(NA)	(NA)	(NA)	23,622	(NA)	[7]720	(NA)
131	Crude petroleum and natural gas	94	5	730	3,815	(NA)	(NA)	(NA)	(NA)	(NA)	19,238	(NA)	661	(NA)
132	Natural gas liquids	4	...	46	252	42	96	221	406	646	1,017	35	49	562
138	Oil and gas field services	51	2	214	789	(NA)	(NA)	(NA)	(NA)	(NA)	3,367	(NA)	(NA)	(NA)

[1]See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
13	Undistributed, total.....	59	1	297	1,399	(NA)	(NA)	(NA)	(NA)	(NA)	1,021	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas.....	18	1	220	1,086	(NA)	(NA)	(NA)	(NA)	(NA)	...	(NA)	(NA)	(NA)
138	Oil and gas field services..	41	...	77	313	(NA)	(NA)	(NA)	(NA)	(NA)	1,021	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes figures for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]Excludes data for the Oil and Gas Field Services Industries.
[8]Includes data for mining operations in manufacturing establishments.
[9]Represents the Bituminous Coal Industry only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Arkansas, total.....	463	443	20	1	...	1	...	18	19	1	1	29	...	210	9	75	15	5	15	3	34	4	3	8	4	1	7	...
No employees.....	60	60	...	...	...	...	...	1	2	...	...	6	...	34	...	1	4	...	2	...	5	...	...	...	...	...	5	...
1-4 employees.....	187	178	9	1	...	...	...	6	7	...	1	12	...	104	...	24	5	2	3	1	12	2	...	4	1	1	1	...
5-9 employees.....	78	73	5	...	...	...	...	2	4	1	...	5	...	24	1	23	3	...	2	...	8	1	...	4	...	...	...	...
10-19 employees...	72	71	1	...	...	1	...	1	2	...	...	2	...	26	5	20	3	1	4	...	3	...	2	...	1	...	1	...
20-49 employees...	50	46	4	...	...	...	...	6	2	...	...	4	...	17	2	7	...	2	3	2	5	...	...	...	...	...	...	...
50-99 employees...	7	7	...	...	...	...	...	...	2	...	...	...	...	2	1	...	...	...	...	...	1	...	1	...	...	...	...	...
100-249 employees.	9	8	1	...	...	...	...	2	...	...	...	...	...	3	...	...	...	...	1	...	...	1	...	...	2	...	...	...
COUNTIES																												
Arkansas:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ashley:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Boone:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Bradley:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Calhoun:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	2	1	...	...	...	...	...	...
Carroll:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Chicot:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Clark:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Cleveland:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	79	79	...	...	...	...	...	...	...	...	...	...	...	44	...	34	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	5	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Conway:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Craighead:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Crawford:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Cross:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Dallas:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Faulkner:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Franklin:																											
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	1	...	3	...	3	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Fulton:																											
0-19 employees	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Garland:																											
0-19 employees	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...
Grant:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Hempstead:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
Hot Spring:																											
0-19 employees	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	4	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
Howard:																											
0-19 employees	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Independence:																											
0-19 employees	17	16	1	...	...	...	...	...	9	...	...	...	...	...	...	...	4	1	...	...	2	...	...	...	...	1	...	...
20-99 employees	5	3	2	...	...	...	...	...	3	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...
Izard:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
Jackson:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Jefferson:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Johnson:																											
0-19 employees	15	14	1	...	...	...	...	...	...	...	...	10	...	1	...	3	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lafayette:																											
0-19 employees	55	55	...	...	...	...	...	...	...	...	...	...	...	27	1	26	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lee:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Little River:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Logan:																											
0-19 employees	10	9	1	...	...	...	...	...	...	...	...	4	...	...	...	...	4	1	1	...	...	...	...	...	...	...	...	...
20-99 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees	3	3	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Miller:																											
0-19 employees	45	45	...	...	...	...	...	...	...	...	...	...	...	23	1	21	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mississippi:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Montgomery:																												
0-19 employees....	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Nevada:																												
0-19 employees....	31	31	...	...	...	...	...	...	...	...	...	...	...	17	...	14	...	...	...	...	...	...	...	...	...	...	...	...
Ouachita:																												
0-19 employees....	89	89	...	...	...	...	...	...	...	...	...	...	...	64	...	24	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pike:																												
0-19 employees....	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Polk:																												
0-19 employees....	4	4	...	...	...	...	...	...	1	...	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pope:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	1	...	3	...	2	2	...	1	...	...	1	...	...	...	...	...	...
Prairie:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Pulaski:																												
0-19 employees....	13	12	1	...	...	...	...	6	2	...	...	...	...	1	...	1	1	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Randolph:																												
0-19 employees....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Francis:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Saline:																												
0-19 employees....	8	8	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sebastian:																												
0-19 employees....	21	20	1	...	...	...	...	...	...	...	...	9	3	2	...	4	1	...	...	...	...	...	1	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stone:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Union:																												
0-19 employees....	143	142	1	...	...	...	...	...	...	...	...	...	...	89	4	49	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Van Buren:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		1	...	...	...	...	...	...	...	...	...
White:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	58	58	...	...	...	...	...	...	...	...	...	...	...	17	...	41	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

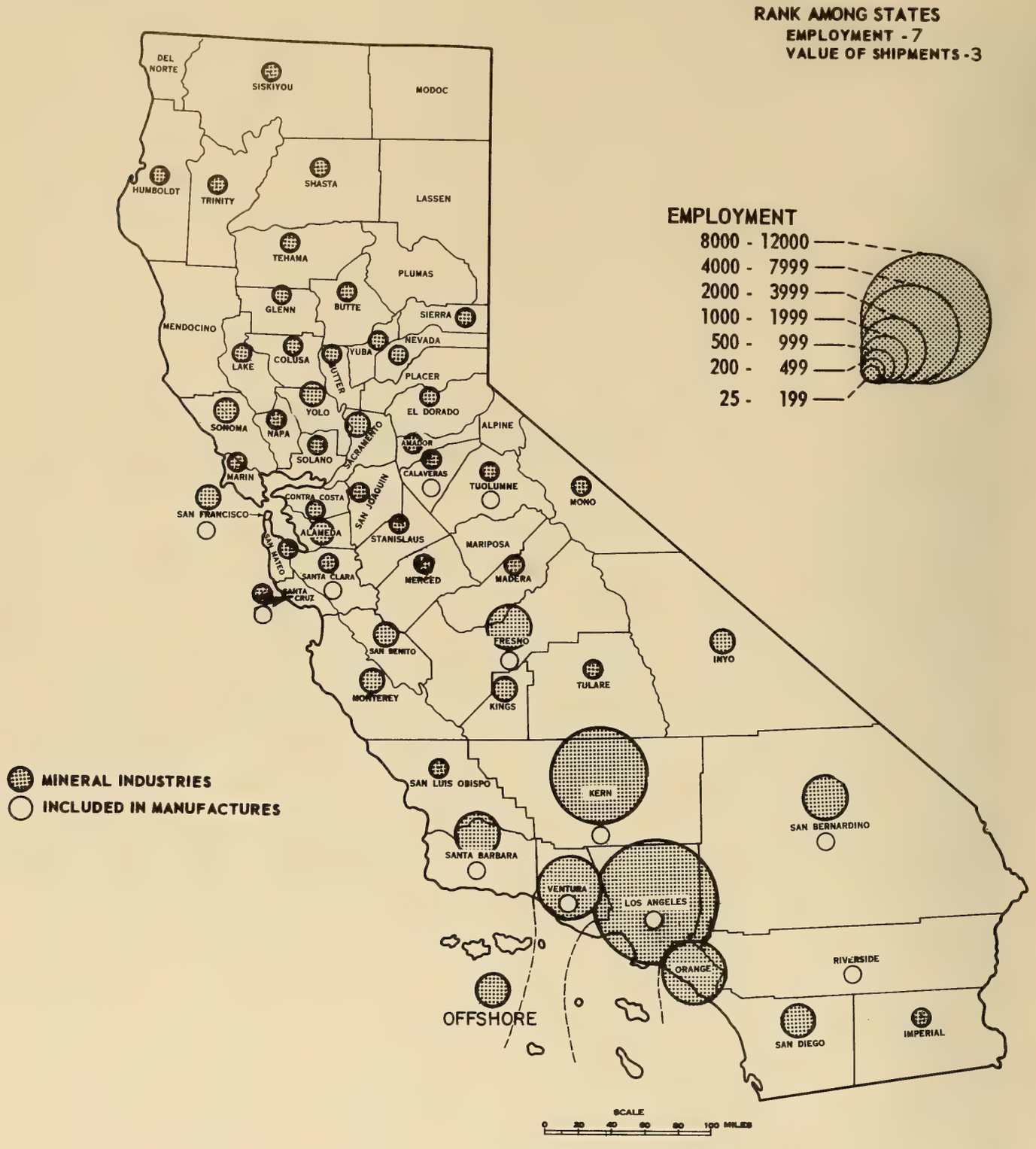
[1]See table 3, footnote 2.

CALIFORNIA

4-1

EMPLOYMENT IN MINING BY COUNTY: 1958

CALIFORNIA

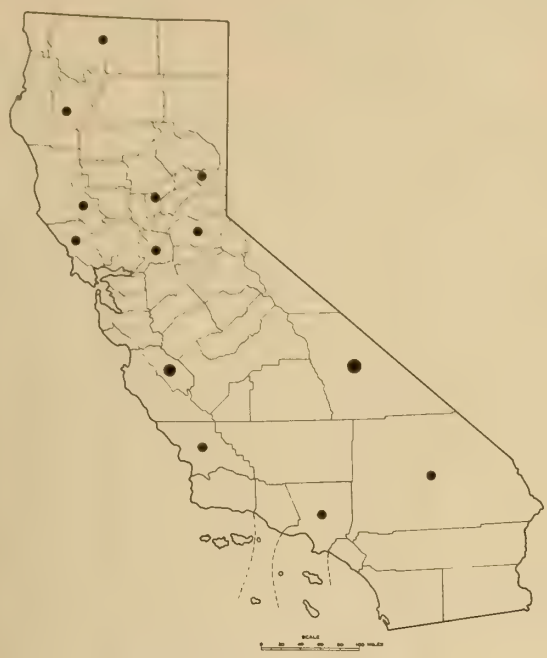


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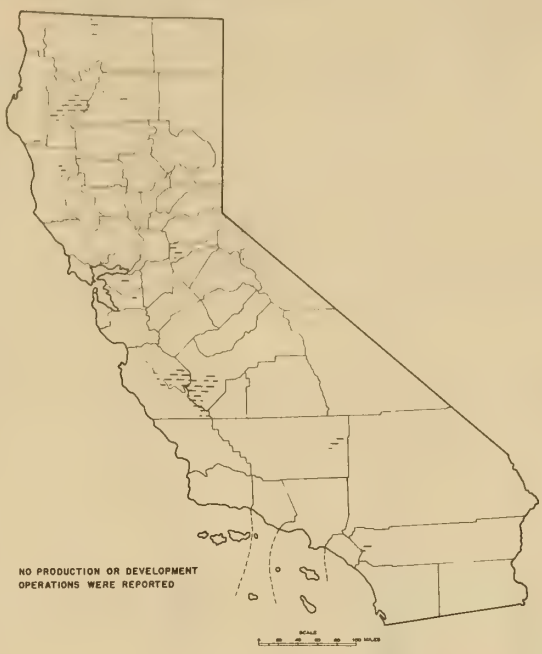
MINING IN CALIFORNIA

Employment For Industry Group By County: 1958

Metal Mining



Coal Mining



General Extent of Coal Fields

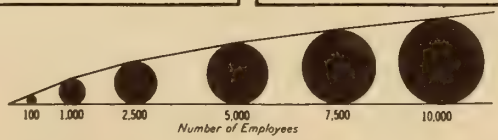
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

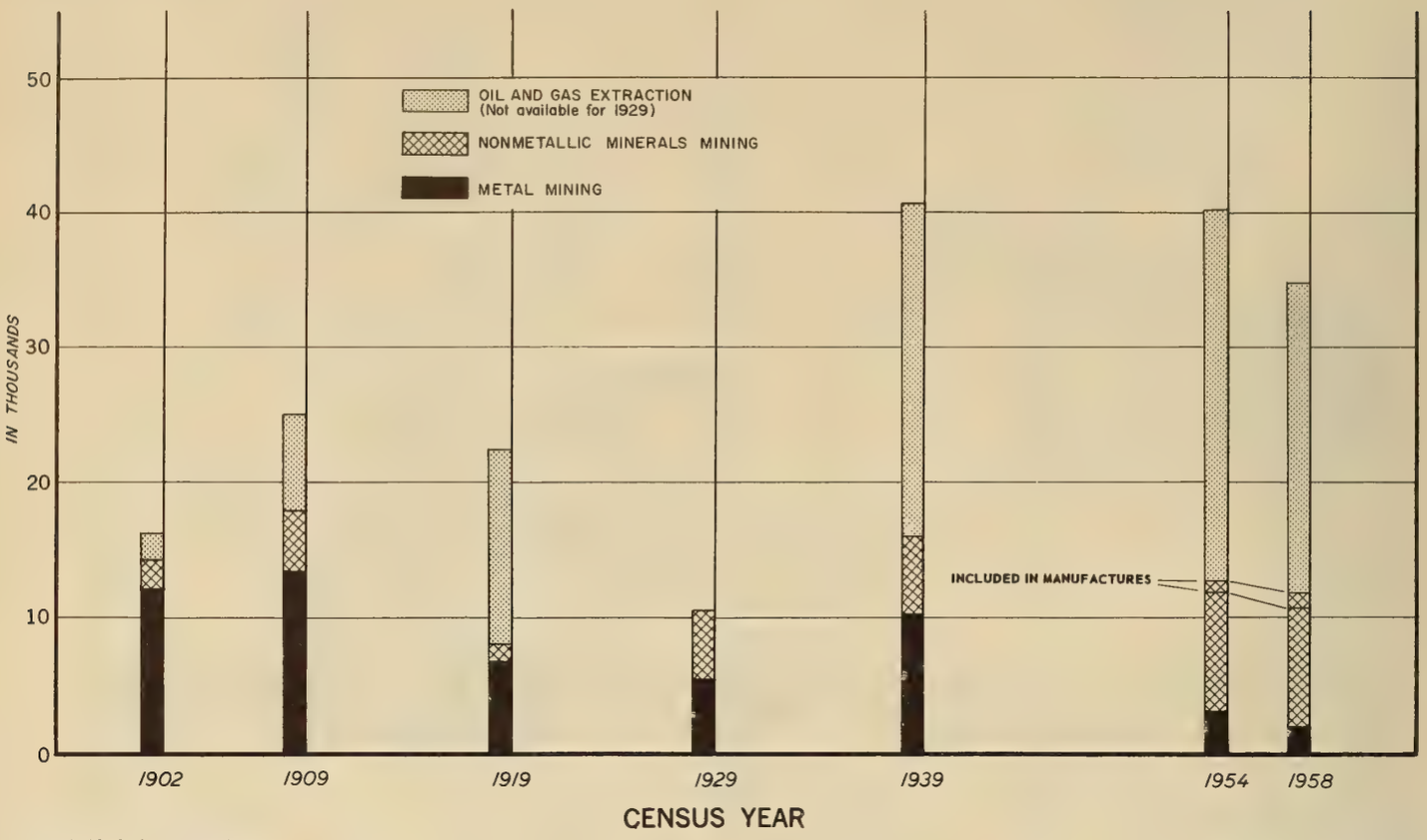




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

CALIFORNIA



DEPARTMENT OF COMMERCE

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Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	1,658	266	33,792	211,773	23,474	48,097	130,038	1,225,488	160,665	107,510	104,315	44,557	1,480,235	162,300	r36,286	r1,546
1954	2,190	314	39,366	203,144	29,423	59,159	139,397	[2]1,315,181	163,654	[3]28,970	141,060	67,619	[2]1,494,686	221,823	38,425	1,306
Including operations in manufactures:																
All operations:																
1958	1,758	280	34,821	216,995	24,496	50,122	135,218	1,252,079	[4]166,833	107,511	[4]104,319	[5]44,592	1,512,998	[5]162,336	r[5]36,287	r1,481
1954[6]	2,254	324	40,104	206,104	30,159	60,630	142,350	[2]1,329,505	[4]166,838	[3]28,971	[4]141,067	[5]67,642	[2]1,512,186	[5]221,862	[5]38,427	1,274
1939[7]	[8]2,049	(NA)	40,675	76,947	33,561	68,546	57,347	318,401	42,505	(NA)	20,702	(NA)	381,608	(NA)	29,002	864
1919[9]	785	(NA)	22,255	37,644	19,747	(NA)	32,348	121,706	39,755	876	1,433	(NA)	163,770	(NA)	[10]20,044	1,015
1909[9]	2,025	(NA)	25,114	24,532	22,605	(NA)	21,153	32,768	27,067	2,763	784	(NA)	63,382	(NA)	(NA)	(NA)
1902[11]	[8]2,048	(NA)	16,290	14,686	[12]14,539	(NA)	12,477	21,667	6,501	(NA)	702	(NA)	28,870	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	842	122	11,715	66,482	9,043	19,959	48,600	197,921	[4]57,465	1,069	[4]5,160	[5]9,849	251,548	[5]19,916	r[5]6,422	r710
1954[6]	1,286	128	12,583	58,615	9,894	20,882	44,302	[2]158,855	[4] [13]45,629	[13]5,010	[4]7,736	[5]13,513	[2]208,567	[5]22,201	[5]5,030	508
1939[7]	[8]797	(NA)	15,460	26,250	13,792	32,279	21,973	60,295	18,004	(NA)	382	(NA)	78,681	(NA)	2,945	214
1929[14]	533	(NA)	10,465	17,166	9,224	(NA)	13,891	27,938	9,977	(NA)	731	1,964	38,646	(NA)	934	101
1919[9]	369	(NA)	7,955	11,267	7,312	(NA)	9,790	14,670	9,301	366	414	(NA)	24,751	(NA)	[10]346	47
1909[9]	1,515	(NA)	16,998	15,496	15,663	(NA)	13,580	21,350	9,579	2,759	384	(NA)	34,072	(NA)	(NA)	(NA)
1902[15]	[8]1,743	(NA)	14,763	13,120	[12]13,406	(NA)	11,378	18,612	5,006	(NA)	257	(NA)	23,875	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $47 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for limestone and slate is not available.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for sand and gravel mining operations and for stone quarries operated as parts of cement and lime establishments. The value of products of such establishments in 1929 was about $9,669 million. See also footnote 14.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used; but for "Excluding oil and gas extraction industries" in 1929, to 20 percent.

[11]Excludes data for sand, gravel, common clay, and shale mining operations. Includes data for 2 cement plants and for lime plants producing lime valued at $396 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Figures for minerals received for preparation for the Oil and Gas Extraction and Nonmetallic Minerals Mining Industries are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[14]Excludes data for common clay and shale mining operations. In 1939, there were 28 such mines, with products valued at $292 thousand.

[15]Includes data for nonproducing crude petroleum establishments, at which expenditures were about $500 thousand. See also footnote 11.

rRevised.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	1,758	280	34,821	216,995	24,496	50,122	135,218	1,252,079	[2]423,255	[3]1,512,998	[4]162,336	40,104	[5]1,329,505
	Mineral industries	1,658	266	33,792	211,773	23,474	48,097	130,038	1,225,488	417,047	1,480,235	162,300	39,366	[5]1,315,181
	Included in manufactures	100	14	[3]1,029	[3]5,222	[3]1,022	2,025	5,180	26,591	[2]6,208	[3]32,763	[4]36	[3]738	14,324
10	Metal mining	247	13	1,778	9,496	1,393	2,896	6,535	30,009	10,226	37,618	2,617	[6]2,856	[6]31,893
1011	Iron ores	3	1	351	1,993	252	477	1,329	15,934	3,294	18,217	1,011	(NA)	(NA)
102 103 104	Copper, lead, zinc, gold, and silver ores	118	6	561	3,018	433	946	1,761	4,263	2,490	6,316	437	1,180	6,369
109	Miscellaneous metal ores	56	5	420	2,016	358	768	1,627	3,973	1,457	5,154	276	(NA)	(NA)
1092	Mercury ores	41	5	383	1,820	329	711	1,491	3,927	1,235	4,981	181	295	2,067
13	Oil and gas extraction	916	158	23,106	150,513	15,453	30,163	86,618	1,054,158	349,712	1,261,450	142,420	27,521	1,170,650
1311	Crude petroleum and natural gas	583	67	16,535	111,954	9,858	19,310	55,517	946,540	209,527	1,020,732	135,335	17,094	1,012,679
	Crude petroleum	565	63	16,056	108,931	9,644	18,925	54,298	911,827	202,773	983,048	131,552	[7]17,094	1,012,679
	Natural gas	18	4	479	3,023	214	385	1,219	34,713	6,754	37,684	3,783		
1321	Natural gas liquids	67	33	1,801	11,113	1,531	2,981	9,043	59,553	113,582	171,087	2,048	2,101	[6]84,655
138	Oil and gas field services	266	58	4,770	27,446	4,064	7,872	22,058	48,065	26,603	69,631	5,037	8,326	73,316
1389	Oil and gas field services, nec	151	22	1,917	10,044	1,616	3,121	8,024	19,168	7,467	25,603	1,032	(NA)	(NA)
	Nonmetallic minerals mining	595	109	9,937	56,986	7,650	17,063	42,065	167,912	[2]63,317	[3]213,930	[4]17,299	9,727	126,962
14	Mineral industries	495	95	8,908	51,764	6,628	15,038	36,885	141,321	57,109	181,167	17,263	8,989	112,638
	Included in manufactures	100	14	[3]1,029	[3]5,222	[3]1,022	2,025	5,180	26,591	[2]6,208	[3]32,763	[4]36	[3]738	14,324
	Dimension stone	31	...	119	486	107	195	435	1,127	424	1,462	89	65	455
1411	Mineral industry	23	...	51	186	46	91	177	604	227	778	53	27	134
	Included in manufactures	8	...	68	300	61	104	258	523	197	684	36	38	321
	Crushed and broken stone	97	26	1,598	8,935	1,454	3,526	7,898	29,577	[2]9,149	[3]37,626	(NA)	1,740	25,342
1421	Mineral industry	82	17	1,066	6,223	922	2,461	5,186	14,794	5,302	18,996	1,100	[7]1,240	[7]14,854
	Included in manufactures	15	9	[3]532	[3]2,712	[3]532	1,065	2,712	14,783	[2]3,847	[3]18,630	(NA)	(NA)	(NA)
	Crushed and broken limestone	34	12	[3]792	[3]3,998	[3]754	1,580	3,683	17,306	[2]4,818	[3]21,889	(NA)	(NA)	(NA)
	Mineral subindustry	19	3	260	1,286	222	515	971	2,523	971	3,259	235	343	4,109
	Crushed and broken granite (Mineral subindustry)	16	4	251	1,676	216	451	1,421	4,396	1,172	5,309	259	253	2,823
	Crushed and broken stone, nec. (Mineral subindustry)	47	10	555	3,261	484	1,495	2,794	7,875	3,159	10,428	606	[7]644	[7]7,922
	Sand and gravel	288	64	4,053	23,170	3,223	7,058	17,992	69,686	[2]24,234	[3]87,754	(NA)	(NA)	(NA)
1441	Mineral industry	250	61	3,768	21,599	2,938	6,487	16,421	62,057	22,875	78,766	6,166	3,812	54,175
	Included in manufactures	38	3	[3]285	[3]1,571	[3]285	571	1,571	7,629	[2]1,359	[3]8,988	(NA)	(NA)	(NA)
	Common sand and gravel (Mineral subindustry)	239	60	3,645	20,864	2,837	6,271	15,828	59,282	21,660	74,969	5,973	3,693	51,890
	Glass sand and molding sand	11	1	123	735	101	216	593	2,775	1,215	3,797	193	119	2,285
145	Clay and related minerals (Mineral industries only)	40	4	263	1,198	235	468	1,036	3,265	1,734	4,629	370	213	1,919
1452	Bentonite	8	1	65	316	59	123	291	871	455	1,259	67	(NA)	(NA)
	Clay and related minerals, nec	48	3	165	775	156	307	721	1,723	[2]1,047	[3]2,636	(NA)	247	2,744
1459	Mineral industry	14	2	82	388	73	142	334	836	621	1,323	134	104	815
	Included in manufactures	34	1	[3]83	[3]387	[3]83	165	387	887	[2]426	[3]1,313	(NA)	[3]143	1,929
147	Chemical and fertilizer minerals	18	7	2,714	17,242	1,692	3,778	10,365	42,844	20,283	55,418	7,709	2,540	30,341
1474	Potash, soda, borate minerals	7	4	2,554	16,407	1,555	3,403	9,684	40,908	19,576	53,154	7,330	2,337	24,301
149	Miscellaneous minerals, nec (Mineral industries only)	80	6	1,032	5,261	785	1,734	3,655	17,694	6,552	22,459	1,787	(NA)	(NA)
1495	Pumice and pumicite	23	1	135	391	115	133	292	1,493	365	1,622	236	118	957
1496	Talc, soapstone, pyrophyllite	27	1	99	512	79	150	366	1,153	539	1,588	104	132	1,133

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]Includes data for Lignite Mining. The figure for value added excludes data for the Uranium-Radium-Vanadium Ores Industry.

[7]Excludes data for one crushed and broken marble establishment.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	417,047	160,665	107,510	104,315	44,557	162,300	84,174	78,126	xxx	xxx	xxx	xxx
10	Metal mining	10,226	6,484	207	1,083	2,452	2,617	463	2,154	xxx	xxx	xxx	xxx
1011	Iron ores	3,294	1,107	...	461	1,726	1,011	(D)	(D)	[3]1,803	[3]18,217	...	...
102 103 104	Copper, lead, zinc, gold, and silver ores	2,490	2,202	2	179	107	437	156	281	[4]133	xxx	(NA)	xxx
109	Miscellaneous metal ores	1,457	[5]1,209	([5])	60	188	276	39	237	xxx	xxx	xxx	xxx
13	Oil and gas extraction	349,712	109,368	106,442	99,159	34,743	142,420	83,007	59,413	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	209,527	85,293	...	95,087	29,147	135,335	82,988	52,347	xxx	1,014,890	xxx	[6]159
	Crude petroleum	202,773	83,233	...	91,430	28,110	131,552	80,722	50,830	[7]306,092	883,816	[7]4,675	[6]12,954
	Natural gas	6,754	2,060	...	3,657	1,037	3,783	2,266	1,517	[8]72,570	24,700	[8]353,019	93,579
1321	Natural gas liquids	113,582	4,842	106,442	1,239	1,059	2,048	...	2,048	[9]28,541	[9]85,878	...	...
138	Oil and gas field services	26,603	19,233	...	2,833	4,537	5,037	19	5,018	xxx	xxx	xxx	xxx
1389	Oil and gas field services, nec	7,467	5,815	...	673	979	1,032	...	1,032	xxx	[10]22,502	xxx	([10])
14	Nonmetallic minerals mining	57,109	44,813	861	4,073	7,362	17,263	704	16,559	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	5,302	4,219	78	385	620	1,100	35	1,065	11,723	16,716	[11]13,523	[11]20,728
	Crushed and broken granite	1,172	901	...	133	138	259	9	250	3,808	5,232	158	169
	Crushed and broken stone, nec	3,159	2,683	36	67	373	606	...	606	6,375	8,290	968	1,380
1441	Sand and gravel	22,875	[5]17,607	([5])	1,751	3,517	6,166	416	5,750	57,800	[12]80,301	[11]8,994	([12])
	Common sand and gravel	21,660	[5]16,534	([5])	1,743	3,383	5,973	416	5,557	56,617	[12]76,529	[11]9,030	([12])
147	Chemical and fertilizer minerals	20,283	[5]16,984	([5])	1,044	2,255	7,709	184	7,525	xxx	xxx	xxx	xxx
1474	Potash, soda, borate minerals	19,576	[5]16,458	([5])	1,013	2,105	7,330	32	7,298	[13]1,325	(D)	([12])	(D)
149	Miscellaneous minerals, nec	6,552	[5]5,389	([5])	588	575	1,787	47	1,740	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies.
NA Not available.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents direct-shipping iron ore plus iron concentrates for consumption. Quantity represents thousands of long tons.

[4]Represents thousands of tons of crude ore mined, excluding placer gravels.

[5]Figures for the cost of minerals received for preparation are combined with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[6]Includes data for crude petroleum produced in Washington, amounting to less than 10 percent of the total shown for the Crude Petroleum and Natural Gas Industry.

[7]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used. For establishments classified in other industries includes a small quantity of crude petroleum produced in Washington, amounting to less than one percent of the total shown.

[8]Represents millions of cubic feet.

[9]Represents net shipments of natural gas liquids. Quantity figures are in thousands of barrels.

[10]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry. The combined figure shown includes receipts for services performed by establishments classified in Washington and Oregon.

[11]Includes minerals produced and used in the same manufacturing establishment. The value of such stone was estimated.

[12]Figures for shipments of primary products by establishments classified in other industries are combined with figures for shipments of primary products by establishments classified in the specified industry. For sand and gravel, the figure shown represents gross value of shipments of primary products plus the estimated value of primary products produced and used in the same manufacturing establishment.

[13]See footnote 12. Includes shipments by other industries in the East and South amounting to less than one percent of the total shown.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]	Separately operated preparation plants	
	All industries:											
	Number of establishments	1,387	1,264	778	42	154	582	411	32	316	63	75	123
	Number of employees	28,963	28,773	17,076	92	410	16,574	9,852	913	6,549	2,390	1,845	190
	Value added in mining, $1,000	1,176,922	1,177,834	956,499	928	7,279	948,292	161,355	7,320	122,879	31,156	59,980	(3)
10	Metal mining:												
	Number of establishments	244	155	62	27	33	2	91	27	61	3	2	89
	Number of employees	1,733	1,596	(D)	52	25	(D)	1,495	(D)	708	(D)	(D)	137
	Value added in mining, $1,000	29,571	29,609	(D)	302	817	(D)	28,176	(D)	21,536	(D)	(D)	(3)
1011	Iron ores:												
	Number of establishments	3	2	...	...	...	...	2	...	2	...	...	1
	Number of employees	351	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	15,934	(D)	...	...	...	...	(D)	...	(D)	...	...	(D)
102, 103, 104	Copper, lead, zinc, gold, and silver ores:												
	Number of establishments	118	56	22	18	4	...	34	12	22	...	...	62
	Number of employees	561	474	35	35	...	...	439	178	261	...	...	87
	Value added in mining, $1,000	4,263	4,261	146	150	(3)	...	4,115	673	3,442	...	...	2
109	Miscellaneous metal ores:												
	Number of establishments	56	42	6	3	3	...	36	10	26	...	...	14
	Number of employees	420	405	13	9	4	...	392	334	58	...	...	15
	Value added in mining, $1,000	3,973	4,020	157	82	75	...	3,863	2,916	947	...	...	(3)
13	Oil and gas extraction:												
	Number of establishments	650	625	558	...	...	558	...	...	...	...	67	25
	Number of employees	18,336	18,297	16,496	...	...	16,496	...	...	...	...	1,801	39
	Value added in mining, $1,000	1,006,093	1,006,931	947,378	...	...	947,378	...	...	...	...	59,553	(3)
14	Nonmetallic minerals mining:												
	Number of establishments	493	484	158	15	121	22	320	5	255	60	6	9
	Number of employees	8,894	8,880	(D)	40	385	(D)	8,357	(D)	5,841	(D)	(D)	14
	Value added in mining, $1,000	141,258	141,294	(D)	626	6,462	(D)	133,179	(D)	101,343	(D)	(D)	(3)
1421	Crushed and broken stone:												
	Number of establishments	82	80	16	...	16	...	64	2	62	...	...	2
	Number of employees	1,066	(D)	69	...	69	...	(D)	(D)	894	...	...	(D)
	Value added in mining, $1,000	14,794	(D)	1,385	...	1,385	...	(D)	(D)	12,752	...	...	(D)
	Crushed and broken granite:												
	Number of establishments	16	16	7	...	7	...	9	...	9	...	...	...
	Number of employees	251	251	58	...	58	...	193	...	193	...	...	...
	Value added in mining, $1,000	4,396	4,396	1,283	...	1,283	...	3,113	...	3,113	...	...	...
	Crushed and broken stone, nec:												
	Number of establishments	47	45	8	...	8	...	37	...	37	...	...	2
	Number of employees	555	(D)	(D)	...	(D)	...	542	...	542	...	...	(D)
	Value added in mining, $1,000	7,875	(D)	(D)	...	(D)	...	7,778	...	7,778	...	...	(D)
1441	Sand and gravel:												
	Number of establishments	250	249	51	...	30	21	195	...	142	53	3	1
	Number of employees	3,768	(D)	228	...	159	69	3,516	...	2,885	631	(D)	(D)
	Value added in mining, $1,000	62,057	(D)	3,256	...	2,373	883	58,678	...	48,730	9,948	(D)	(D)
	Common sand and gravel:												
	Number of establishments	239	238	51	...	30	21	184	...	133	51	3	1
	Number of employees	3,645	(D)	228	...	159	69	3,393	...	2,775	618	(D)	(D)
	Value added in mining, $1,000	59,282	(D)	3,256	...	2,373	883	55,903	...	46,205	9,698	(D)	(D)

See footnotes at end of table.

Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958–Continued

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
147	Chemical and fertilizer minerals:												
	Number of establishments	18	17	2	...	2	...	12	2	6	4	3	1
	Number of employees	2,714	(D)	(D)	...	(D)	...	2,706	(D)	996	(D)	7	(D)
	Value added in mining, $1,000	42,844	(D)	(D)	...	(D)	...	42,830	(D)	22,108	(D)	2	(D)
1474	Potash, soda, borate minerals:												
	Number of establishments	7	7	...	...	...	...	5	...	1	4	2	...
	Number of employees	2,554	2,554	...	...	...	...	(D)	...	(D)	(D)	(D)	...
	Value added in mining, $1,000	40,908	40,908	...	...	...	...	(D)	...	(D)	(D)	(D)	...
149	Miscellaneous minerals, nec:												
	Number of establishments	80	76	44	15	29	...	32	...	31	1	...	4
	Number of employees	1,032	1,027	112	40	72	...	915	...	(D)	(D)	...	5
	Value added in mining, $1,000	17,694	17,714	1,975	626	1,349	...	15,739	...	(D)	(D)	...	([3])

D Withheld to avoid disclosing data for individual companies.

[1] Includes data for 18 sand and gravel establishments for which the method of mining was not specified.

[2] Includes data for 8 sand and gravel establishments for which the method of mining was not specified.

[3] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded value of shipments and capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	CALIFORNIA:													
	All mineral operations	1,758	280	34,821	216,995	24,496	50,122	135,218	1,252,079	[3]423,255	[4]1,512,998	[5]162,336	40,104	[6]1,329,505
	Mineral industries	1,658	266	33,792	211,773	23,474	48,097	130,038	1,225,488	417,047	1,480,235	162,300	39,366	[6]1,315,181
	Included in manufactures	100	14	[4]1,029	[4]5,222	[4]1,022	2,025	5,180	26,591	[3]6,208	[4]32,763	[5]36	[4]738	14,324
	COUNTIES													
	Alameda (mineral industries only)	22	9	489	2,951	435	1,383	2,584	8,586	3,063	11,251	398	427	(NA)
144	Sand and gravel	12	7	418	2,555	368	769	2,228	7,895	2,676	10,201	370	371	5,935
	Butte (mineral industries only)	26	...	86	463	(NA)	(NA)	(NA)	(NA)	(NA)	4,292	(NA)	[7]132	(NA)
13	Oil and gas extraction	12	...	25	155	(NA)	(NA)	(NA)	(NA)	(NA)	3,366	(NA)	[7]27	(NA)
	Calaveras (mineral industries only)	14	...	44	176	36	69	150	360	368	591	137	46	233
	Colusa (mineral industries only)	12	2	52	298	(NA)	(NA)	(NA)	(NA)	(NA)	1,686	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	3	...	1	6	(NA)	(NA)	(NA)	(NA)	(NA)	1,470	(NA)	(NA)	(NA)
	Contra Costa (mineral industries only):													
	Including oil and gas extraction	21	1	169	1,162	(NA)	(NA)	(NA)	(NA)	(NA)	3,882	(NA)	172	(NA)
	Excluding oil and gas extraction	15	1	169	1,162	144	336	951	2,839	1,203	3,556	486	(NA)	2,207
10	Del Norte	9	...	4	14	4	8	14	62	37	79	20	38	364
	El Dorado (mineral industries only)	11	2	107	489	90	190	413	708	433	993	148	100	994
	Fresno (mineral industries only), total	78	17	1,253	7,627	(NA)	(NA)	(NA)	(NA)	(NA)	114,932	(NA)	[7]912	(NA)
13	Oil and gas extraction, total	67	17	1,152	7,160	(NA)	(NA)	(NA)	(NA)	(NA)	112,974	(NA)	[7]755	(NA)
131	Crude petroleum and natural gas	35	8	621	3,927	(NA)	(NA)	(NA)	(NA)	(NA)	95,248	(NA)	621	(NA)
132	Natural gas liquids	5	3	318	2,007	280	539	1,691	4,729	10,843	15,438	134	134	4,817
138	Oil and gas field services	27	6	213	1,226	(NA)	(NA)	(NA)	(NA)	(NA)	2,288	(NA)	(NA)	(NA)
10, 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	11	...	101	467	90	186	414	1,591	579	1,958	212	157	1,571
144	Sand and gravel (mineral industries only)	6	...	58	328	51	136	287	1,013	208	1,061	160	101	1,035
	Glenn (mineral industries only)	26	3	175	1,023	(NA)	(NA)	(NA)	(NA)	(NA)	8,661	(NA)	[7]43	(NA)
13	Oil and gas extraction, total	23	3	173	1,009	(NA)	(NA)	(NA)	(NA)	(NA)	8,588	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	11	...	24	152	(NA)	(NA)	(NA)	(NA)	(NA)	6,320	(NA)	17	(NA)
138	Oil and gas field services	12	3	149	857	(NA)	(NA)	(NA)	(NA)	(NA)	2,268	(NA)	(NA)	(NA)
	Humboldt (mineral industries only)	11	...	28	105	(NA)	(NA)	(NA)	(NA)	(NA)	903	(NA)	[7]37	[8]569
	Imperial (mineral industries only)	12	...	35	149	25	52	128	(NA)	(NA)	976	(NA)	75	956
	Inyo	36	2	404	2,365	316	620	1,684	5,637	2,775	6,424	1,988	735	8,308
	Kern, total	368	61	7,644	47,474	(NA)	(NA)	(NA)	(NA)	(NA)	[4]356,873	(NA)	[7]6,558	(NA)
	Mineral industries	363	59	7,509	46,850	(NA)	(NA)	(NA)	(NA)	(NA)	353,512	(NA)	[7]6,558	(NA)
	Included in manufactures	5	2	[4]135	[4]624	[4]135	270	624	2,553	[3]808	[4]3,361	(NA)	...	...
13	Oil and gas extraction, total	323	56	6,604	41,021	(NA)	(NA)	(NA)	(NA)	(NA)	327,123	(NA)	[7]5,895	(NA)
131	Crude petroleum and natural gas	207	28	4,848	30,726	(NA)	(NA)	(NA)	(NA)	(NA)	257,390	(NA)	5,385	(NA)
132	Natural gas liquids	16	9	499	3,062	403	776	2,373	14,360	38,487	52,266	581	510	31,825
138	Oil and gas field services	100	19	1,257	7,233	(NA)	(NA)	(NA)	(NA)	(NA)	17,467	(NA)	(NA)	(NA)
10, 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	40	3	905	5,829	795	1,723	4,760	23,179	6,628	26,389	3,418	663	[6]7,854

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll	Number	Man-hours	Wages						
					($1,000)		(1,000)	($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Kings	32	2	328	1,926	(NA)	(NA)	(NA)	(NA)	(NA)	14,474	(NA)	[7]507	(NA)
13	Oil and gas extraction	26	2	311	1,908	(NA)	(NA)	(NA)	(NA)	(NA)	14,223	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	12	1	179	1,132	(NA)	(NA)	(NA)	(NA)	(NA)	8,925	(NA)	500	(NA)
	Lake	9	1	82	379	73	172	335	614	315	903	26	66	727
	Los Angeles, total	450	95	10,960	69,935	(NA)	(NA)	(NA)	(NA)	(NA)	[4]307,489	(NA)	[7]7,998	(NA)
	Mineral industries	431	93	10,817	69,203	(NA)	(NA)	(NA)	(NA)	(NA)	302,547	(NA)	[7]7,874	(NA)
	Included in manufactures	19	2	[4]143	[4]732	[4]141	268	717	4,217	[3]728	[4]4,942	(NA)	[4]124	2,278
13	Oil and gas extraction, total	352	67	8,878	57,138	(NA)	(NA)	(NA)	(NA)	(NA)	275,932	(NA)	[7]6,707	(NA)
131	Crude petroleum and natural gas	223	32	5,802	39,140	(NA)	(NA)	(NA)	(NA)	(NA)	216,126	(NA)	6,148	(NA)
132	Natural gas liquids	24	8	457	2,848	399	786	2,372	16,943	20,498	36,787	654	559	27,785
138	Oil and gas field services	105	27	2,619	15,150	(NA)	(NA)	(NA)	(NA)	(NA)	23,019	(NA)	(NA)	(NA)
10 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	79	26	1,939	12,065	1,050	2,256	5,669	21,059	7,431	26,615	1,875	1,167	[6]20,094
142	Crushed and broken stone	10	2	114	758	97	226	678	1,560	462	1,913	109	(NA)	(NA)
	Sand and gravel: Including operations in manufactures	46	22	[4]1,148	[4]6,659	[4]852	1,791	4,846	24,597	[3]6,588	[4]29,740	[5]1,445	(NA)	(NA)
144	Mineral industries only	41	21	1,067	6,186	771	1,627	4,373	17,993	5,998	22,546	1,445	891	16,838
149	Miscellaneous minerals, nec	7	3	200	771	141	328	440	1,055	720	1,552	223	(NA)	(NA)
	Madera	10	...	40	131	(NA)	(NA)	(NA)	(NA)	(NA)	1,111	(NA)	[8]70	[8]1,111
	Marin (mineral industries only)	7	3	125	632	103	192	497	1,490	751	2,182	59	88	1,280
	Mariposa	13	...	14	43	14	18	42	148	115	185	78	29	[8]141
	Merced	8	...	42	214	27	52	145	380	161	534	7	46	534
14	Modoc	3	...	7	23	7	9	23	86	24	110	...	16	143
	Mono	7	...	33	67	29	41	65	131	123	177	77	188	1,977
	Monterey (mineral industries only)	18	5	328	1,897	(NA)	(NA)	(NA)	(NA)	(NA)	34,896	(NA)	[7]271	(NA)
	Napa	13	2	78	462	69	159	396	1,199	541	1,685	55	115	1,133
	Orange (mineral industries only), total	185	26	2,164	13,189	(NA)	(NA)	(NA)	(NA)	(NA)	88,223	(NA)	[7]2,188	(NA)
13	Oil and gas extraction, total	158	21	1,909	11,767	(NA)	(NA)	(NA)	(NA)	(NA)	82,311	(NA)	[7]1,990	(NA)
131	Crude petroleum and natural gas	106	11	1,399	8,812	(NA)	(NA)	(NA)	(NA)	(NA)	63,687	(NA)	1,763	(NA)
132	Natural gas liquids	7	5	167	981	149	291	842	6,017	8,457	14,317	157	227	12,353
138	Oil and gas field services	45	5	343	1,974	(NA)	(NA)	(NA)	(NA)	(NA)	4,307	(NA)	(NA)	(NA)
10 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	27	5	255	1,422	207	430	1,125	4,988	1,326	5,912	402	198	3,157
144	Sand and gravel	19	4	191	1,104	151	314	856	4,152	1,125	5,000	277	155	2,804
	Placer (including operations in manufactures)	10	...	30	147	27	56	130	482	59	531	10	[9]20	[9]219
	Plumas	6	...	7	16	7	7	16	41	16	53	4	(NA)	(NA)
	Riverside (mineral industries only)	27	3	487	2,648	382	741	1,994	19,002	3,948	21,524	1,426	557	[6]13,841
144	Sand and gravel (mineral industries only)	6	2	87	480	70	144	386	1,533	(D)	1,895	(D)	92	1,011
	Sacramento, total	31	5	386	2,112	(NA)	(NA)	(NA)	(NA)	(NA)	16,165	(NA)	[7][9]256	(NA)
13	Oil and gas extraction	17	1	87	543	(NA)	(NA)	(NA)	(NA)	(NA)	11,051	(NA)	[7]86	(NA)
131	Crude petroleum and natural gas	10	1	73	462	(NA)	(NA)	(NA)	(NA)	(NA)	10,728	(NA)	86	(NA)
10 14	Metal mining and Nonmetallic minerals mining	14	4	299	1,569	263	648	1,351	3,369	1,970	5,114	225	470	6,823

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	San Benito (mineral industries only)	25	2	305	1,607	(NA)	(NA)	(NA)	(NA)	(NA)	6,955	(NA)	251	[6] [10]2,062
13	Oil and gas extraction	14	...	30	176	(NA)	(NA)	(NA)	(NA)	(NA)	2,498	(NA)	(NA)	(NA)
10, 14	Metal mining and Nonmetallic minerals mining	11	2	275	1,431	238	472	1,193	3,865	808	4,457	216	(NA)	(NA)
	San Bernardino, total	82	9	1,887	10,986	(NA)	(NA)	(NA)	(NA)	(NA)	[4]42,749	(NA)	(NA)	(NA)
	Mineral industries:													
	Including oil and gas extraction	67	6	1,706	10,027	(NA)	(NA)	(NA)	(NA)	(NA)	35,336	(NA)	[10]2,355	[6] [10]24,478
	Excluding oil and gas extraction	59	6	1,658	9,617	1,123	2,504	6,688	22,211	15,137	34,440	2,908	2,355	[6]24,478
	Included in manufactures	15	3	[4]181	[4]959	[4]180	361	956	6,447	(D)	[4]7,413	(D)	(NA)	(NA)
	Nonmetallic minerals mining:													
	Including operations in manufactures	57	9	[4]1,790	[4]10,328	[4]1,269	2,797	7,481	28,801	(D)	[4]41,621	(D)	(NA)	(NA)
14	Mineral industries only.	42	6	1,609	9,369	1,087	2,436	6,525	22,334	14,694	34,208	2,820	2,240	23,638
	Crushed and broken stone (including operations in manufactures)	15	3	[4]194	[4]960	[4]181	364	897	6,357	[3]1,240	[4]7,541	[5]56	[9]137	[9]1,580
	Sand and gravel:													
	Including operations in manufactures	21	3	[4]186	[4]1,086	[4]142	284	815	2,976	[3]541	[4]3,432	[5]85	(NA)	(NA)
144	Mineral industries only.	12	2	127	762	83	165	491	1,915	359	2,189	85	276	2,965
	San Diego (mineral industries only)	36	10	582	3,401	(NA)	(NA)	(NA)	(NA)	(NA)	10,836	(NA)	462	4,137
144	Sand and gravel	22	9	496	2,951	396	837	2,342	6,997	3,191	9,128	1,060	389	3,464
14	San Francisco (mineral industries only)	4	...	350	6,239	19	41	92	306	83	351	38	[7]148	(NA)
	San Joaquin (mineral industries only)	13	1	85	459	(NA)	(NA)	(NA)	(NA)	(NA)	3,667	(NA)	[7]117	[10]1,699
131	Crude petroleum and natural gas	4	...	7	44	(NA)	(NA)	(NA)	(NA)	(NA)	1,510	(NA)	(NA)	(NA)
	Sand and gravel (including operations in manufactures)	4	1	67	340	61	130	292	1,606	(D)	1,921	(D)	[1]96	[1]1,638
	San Luis Obispo (mineral industries only), total	37	3	166	950	(NA)	(NA)	(NA)	(NA)	(NA)	9,919	(NA)	[7]203	(NA)
13	Oil and gas extraction	24	2	117	713	(NA)	(NA)	(NA)	(NA)	(NA)	8,272	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	12	1	53	335	(NA)	(NA)	(NA)	(NA)	(NA)	5,960	(NA)	82	(NA)
10, 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	13	1	49	237	43	82	191	1,373	307	1,647	33	(NA)	(NA)
	San Mateo (mineral industries only)	13	1	77	639	(NA)	(NA)	(NA)	(NA)	(NA)	1,692	(NA)	65	1,017
142	Crushed and broken stone	4	1	70	601	58	130	452	1,133	398	1,514	17	(NA)	(NA)
	Santa Barbara (mineral industries only), total	75	8	1,427	8,649	(NA)	(NA)	(NA)	(NA)	(NA)	101,921	(NA)	[7]1,338	(NA)
131	Crude petroleum and natural gas	33	3	576	3,639	(NA)	(NA)	(NA)	(NA)	(NA)	71,945	(NA)	590	(NA)
138	Oil and gas field services	25	1	109	627	(NA)	(NA)	(NA)	(NA)	(NA)	1,171	(NA)	(NA)	(NA)
10, 132, 14	Metal mining, Natural gas liquids, and Nonmetallic minerals mining (mineral industries only)	17	4	742	4,383	573	1,307	3,232	16,456	13,667	28,805	1,318	748	11,834
	Santa Clara (mineral industries only)	26	1	121	651	101	255	507	2,399	552	2,661	290	[7]67	[8]989
	Crushed and broken stone (including operations in manufactures)	5	...	[4]58	[4]368	[4]52	114	312	3,321	[3]894	[4]4,083	[5]132	(NA)	(NA)
144	Sand and gravel (mineral industries only)	11	1	66	352	58	155	301	1,402	270	1,564	108	(NA)	(NA)
	Santa Cruz (mineral industries only)	10	1	85	535	61	139	335	988	461	1,381	68	78	[8]803
	Shasta (mineral industries only)	12	1	109	468	89	194	352	1,254	283	1,216	321	156	1,371

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Siskiyou (mineral inudstries only)	20	1	51	208	49	106	194	665	448	915	198	73	821
	Solano	17	3	110	629	(NA)	(NA)	(NA)	(NA)	(NA)	9,812	(NA)	[7]89	[10]621
131	Crude petroleum and natural gas	5	2	50	316	(NA)	(NA)	(NA)	(NA)	(NA)	8,685	(NA)	(NA)	(NA)
	Sonoma(mineral industries only)	22	4	233	1,217	(NA)	(NA)	(NA)	(NA)	(NA)	3,327	(NA)	[7]107	[8]2,303
144	Sand and gravel (mineral industries only)	5	2	126	656	113	393	558	1,432	368	1,652	148	95	1,303
	Stanislaus (mineral industries only)	16	1	61	294	28	51	139	(NA)	(NA)	717	(NA)	[7]66	[8]622
	Tehama	14	...	26	109	(NA)	(NA)	(NA)	(NA)	(NA)	929	(NA)	[7]30	[8]170
	Trinity	9	1	35	109	31	66	94	111	152	241	22	39	287
	Tulare (mineral industries only)	16	2	135	588	(NA)	(NA)	(NA)	(NA)	(NA)	2,699	(NA)	60	577
131	Crude petroleum and natural gas	6	...	4	25	(NA)	(NA)	(NA)	(NA)	(NA)	1,379	(NA)	(NA)	(NA)
	Ventura (mineral industries only)	132	34	2,991	18,174	(NA)	(NA)	(NA)	(NA)	(NA)	202,251	(NA)	[7]2,392	(NA)
131	Crude petroleum and natural gas	61	9	1,498	9,479	(NA)	(NA)	(NA)	(NA)	(NA)	149,749	(NA)	1,982	(NA)
138	Oil and gas field services	59	18	1,137	6,542	(NA)	(NA)	(NA)	(NA)	(NA)	14,340	(NA)	(NA)	(NA)
132, 14	Natural gas liquids and Nonmetallic minerals mining	12	7	356	2,153	258	527	1,460	14,229	24,663	38,162	730	410	18,801
	Yolo, total	15	3	337	2,255	(NA)	(NA)	(NA)	(NA)	(NA)	11,905	(NA)	[7]72	[8]796
13	Oil and gas extraction	12	2	245	1,549	(NA)	(NA)	(NA)	(NA)	(NA)	9,490	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	8	2	245	1,549	(NA)	(NA)	(NA)	(NA)	(NA)	9,435	(NA)	(NA)	(NA)
144	Nonmetallic minerals mining (sand and gravel)	3	1	92	706	55	116	334	2,428	590	2,415	603	(NA)	(NA)
13	Offshore, total	20	7	648	3,987	(NA)	(NA)	(NA)	(NA)	(NA)	63,331	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	8	2	454	2,871	(NA)	(NA)	(NA)	(NA)	(NA)	59,803	(NA)	273	(NA)
138	Oil and gas field services	12	5	194	1,116	(NA)	(NA)	(NA)	(NA)	(NA)	3,528	(NA)	(NA)	(NA)
13	Undistributed, total	120	11	798	5,507	(NA)	(NA)	(NA)	(NA)	(NA)	19,306	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	63	2	215	1,828	(NA)	(NA)	(NA)	(NA)	(NA)	12,345	(NA)	(NA)	(NA)
138	Oil and gas field services	57	9	583	3,679	(NA)	(NA)	(NA)	(NA)	(NA)	6,961	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service were performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]Excludes data for the Oil and Gas Field Services Industries.
[8]Excludes data for one establishment in the Crude Petroleum and Natural Gas Industry. See also footnote 7.
[9]Represents mineral industries only.
[10]Excludes data for 2 Crude Petroleum and Natural Gas operations. See also footnote 7.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
California, total...	1,758	1,658	100	3	10	9	99	...	67	3	56	...	...	583	67	266	23	8	82	15	250	38	40	37	18	2	80	2
No employees.....	259	252	7	...	4	3	43	...	26	...	25	...	...	75	...	11	6	...	5	...	19	3	11	4	2	...	22	...
1-4 employees.....	759	711	48	1	5	5	43	...	27	2	23	...	...	329	7	101	13	3	30	...	70	17	17	28	7	1	30	...
5-9 employees.....	240	223	17	1	1	1	5	...	10	1	2	...	...	74	5	37	3	3	11	...	56	11	2	3	1	1	12	...
10-19 employees...	220	206	14	...	...	...	2	...	3	...	1	...	...	38	22	59	1	2	19	6	44	4	6	...	1	...	10	2
20-49 employees...	179	169	10	...	...	...	4	...	...	...	2	...	...	36	24	34	...	...	13	6	48	2	4	2	1	...	3	...
50-99 employees...	r54	r51	3	...	...	...	1	...	...	...	r2	...	...	9	8	13	...	...	4	2	9	1	...	...	3	...	2	...
100-249 employees.	r30	r29	1	...	...	...	1	...	1	...	r1	...	...	10	1	11	...	...	...	1	4	...	...	...	...	...	...	...
250-499 employees.	9	9	...	1	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	1	...	1	...
500-999 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...
1,000 employees and over.....	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	1	...	...	...
COUNTIES																												
Alameda:																												
0-19 employees....	15	13	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	4	...	5	...	2	2	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Alpine:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Amador:																												
0-19 employees....	7	6	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	1	...	...	...	...
Butte:																												
0-19 employees....	27	26	1	...	...	...	4	...	3	1	...	...	...	5	...	7	...	...	1	...	5	1	...	...	...	...	...	...
Calaveras:																												
0-19 employees....	14	14	...	...	1	...	5	...	...	3	...	...	...	...	...	...	...	...	1	...	2	...	2	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Colusa:																												
0-19 employees....	12	10	2	...	...	...	...	...	1	...	...	...	...	3	...	6	...	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Contra Costa:																												
0-19 employees....	22	20	2	...	...	...	1	...	...	...	...	...	...	2	...	4	...	...	5	...	6	...	...	2	...	...	2	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Del Norte:																												
0-19 employees....	9	9	...	...	1	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
El Dorado:																												
0-19 employees....	11	9	2	...	...	...	2	...	2	1	...	...	...	...	...	...	...	1	4	1	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Fresno:																												
0-19 employees....	65	61	4	...	...	...	...	...	1	...	...	...	...	27	2	21	...	1	2	...	6	2	...	1	...	...	2	...
20-99 employees...	15	15	...	...	...	...	...	...	...	...	...	...	...	7	2	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Glenn:																												
0-19 employees....	24	23	1	...	...	...	...	...	1	1	...	...	...	11	...	9	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Humboldt:																												
0-19 employees....	12	11	1	...	1	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	6	1	1	...	...	...	...	...
Imperial:																												
0-19 employees....	15	12	3	...	...	1	1	...	2	...	...	...	...	...	...	2	...	...	...	...	3	2	1	...	...	...	2	1
Inyo:																												
0-19 employees....	34	34	...	...	1	4	2	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	3	...	2	2	17	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kern:																												
0-19 employees....	307	304	3	...	...	1	7	...	...	1	4	...	...	179	7	81	...	...	4	...	8	2	1	1	3	1	7	...
20-99 employees...	49	47	2	...	...	...	...	...	...	...	...	...	...	18	9	18	...	...	...	2	1	...	...	...	...	...	1	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	6	6	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	1	...	...	...

[1]See table 3, footnote 2. rRevised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Kings:																												
0-19 employees....	30	30	...	1	...	...	...	...	...	...	2	...	...	11	...	13	...	...	...	...	2	...	...	...	...	...	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Lake:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	3	...	...	...	1	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lassen:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Los Angeles:																												
0-19 employees....	355	338	17	...	1	1	3	...	1	...	4	...	...	191	16	78	7	1	8	...	20	4	1	12	2	1	4	...
20-99 employees...	72	70	2	...	...	...	...	...	...	...	...	...	...	18	8	19	...	...	2	...	20	1	...	1	...	...	3	...
100-249 employees.	18	18	...	...	...	...	...	...	...	...	...	...	...	10	...	7	...	...	...	...	1	...	...	...	...	...	...	...
250 employees and over.....	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Madera:																												
0-19 employees....	10	10	...	...	...	...	...	...	1	...	...	...	...	4	...	1	...	...	...	...	2	...	...	...	...	...	2	...
Marin:																												
0-19 employees....	5	4	1	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...
Mariposa:																												
0-19 employees....	13	13	...	...	...	...	8	...	1	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...	...
Merced:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	6	...	...	...	...	...	...	...
Modoc:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...
Mono:																												
0-19 employees....	7	7	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...
Monterey:																												
0-19 employees....	15	13	2	...	...	...	...	...	1	...	...	...	...	2	...	7	1	...	...	1	2	1	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2	...	1	...	...	...	...	...
Napa:																												
0-19 employees....	11	11	...	...	...	...	...	...	1	...	6	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Nevada:																												
0-19 employees....	16	16	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Orange:																												
0-19 employees....	160	159	1	...	...	...	2	...	...	...	...	...	...	95	2	40	...	...	1	...	15	...	3	1	...	...	1	...
20-99 employees...	24	24	...	...	...	...	...	...	...	...	...	...	...	9	5	5	...	...	1	...	4	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Placer:																												
0-19 employees....	10	9	1	...	...	...	3	...	1	...	...	...	...	...	...	...	...	1	1	...	1	...	3	...	...	...	...	...
Plumas:																												
0-19 employees....	6	6	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Riverside:																												
0-19 employees....	27	24	3	...	...	...	...	...	9	...	3	...	...	1	...	...	2	...	1	...	4	1	3	1	...	...	1	1
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sacramento:																												
0-19 employees....	26	26	...	...	...	...	3	...	...	...	1	...	...	9	...	7	...	...	...	...	6	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	3	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Benito:																												
0-19 employees....	25	23	2	...	...	...	...	...	...	...	6	...	...	6	...	8	...	...	1	1	...	...	2	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Bernardino:																												
0-19 employees....	73	61	12	1	2	...	3	...	7	2	2	...	...	3	...	5	...	1	10	2	10	8	4	1	1	...	11	...
20-99 employees...	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	2	1	...	...	1	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
San Diego:																												
0-19 employees....	29	26	3	...	...	2	1	...	...	...	...	...	...	...	...	...	5	1	3	...	13	...	...	2	...	...	2	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	8	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
San Francisco:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	1	...	...	1	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
San Joaquin:																											
0-19 employees....	14	12	2	...	...	...	2	...	...	...	...	...	...	4	...	4	...	...	...	...	2	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
San Luis Obispo:																											
0-19 employees....	36	34	2	...	...	...	...	...	7	2	1	...	...	11	...	11	...	1	...	...	2	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
San Mateo:																											
0-19 employees....	13	12	1	...	...	...	...	...	...	...	1	...	...	4	...	2	1	...	3	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Santa Barbara:																											
0-19 employees....	70	67	3	...	...	...	...	...	1	...	1	...	...	30	4	24	1	1	1	...	2	2	...	...	...	...	3	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	2	1	...	...	...	...	...	...	...	...	...	...	1	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Santa Clara:																											
0-19 employees....	30	25	5	...	...	...	1	...	...	...	8	...	...	...	...	...	...	...	4	1	10	1	2	3	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Santa Cruz:																											
0-19 employees....	10	9	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	2	...	5	...	...	1	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Shasta:																											
0-19 employees....	12	11	1	...	2	...	5	...	...	1	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Sierra:																											
0-19 employees....	7	7	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Siskiyou:																											
0-19 employees....	20	19	1	...	...	...	5	...	8	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	5	...
20-99 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Solano:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	3	...	8	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Sonoma:																											
0-19 employees....	19	18	1	...	...	...	...	...	2	...	3	...	...	1	...	...	2	...	3	...	3	1	4	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stanislaus:																											
0-19 employees....	16	15	1	...	...	...	1	...	...	...	1	...	...	...	...	4	...	...	...	...	8	1	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Sutter:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Tehama:																											
0-19 employees....	14	14	...	...	...	...	...	...	3	...	...	...	...	1	...	7	...	...	...	...	3	...	...	...	...	...	...	...
Trinity:																											
0-19 employees....	8	8	...	...	...	...	4	...	1	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tulare:																											
0-19 employees....	15	14	1	...	1	...	1	...	...	...	...	...	...	6	...	2	...	...	...	...	3	...	...	1	1	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Tuolumne:																											
0-19 employees....	2	2	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
Ventura:																												
0-19 employees....	100	98	2	...	...	...	...	...	...	...	...	...	...	52	3	41	...	...	...	...	1	2	...	...	...	...	1	...
20-99 employees...	27	26	1	...	...	...	...	...	...	...	...	...	...	5	4	15	...	...	1	...	1	1	...	...	...	...	...	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	1	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yolo:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	6	...	4	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Yuba:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	2	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Offshore:																												
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	6	...	7	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	109	109	...	...	...	...	...	...	...	...	...	...	...	61	...	48	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	2	...	8	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

COLORADO

5-1

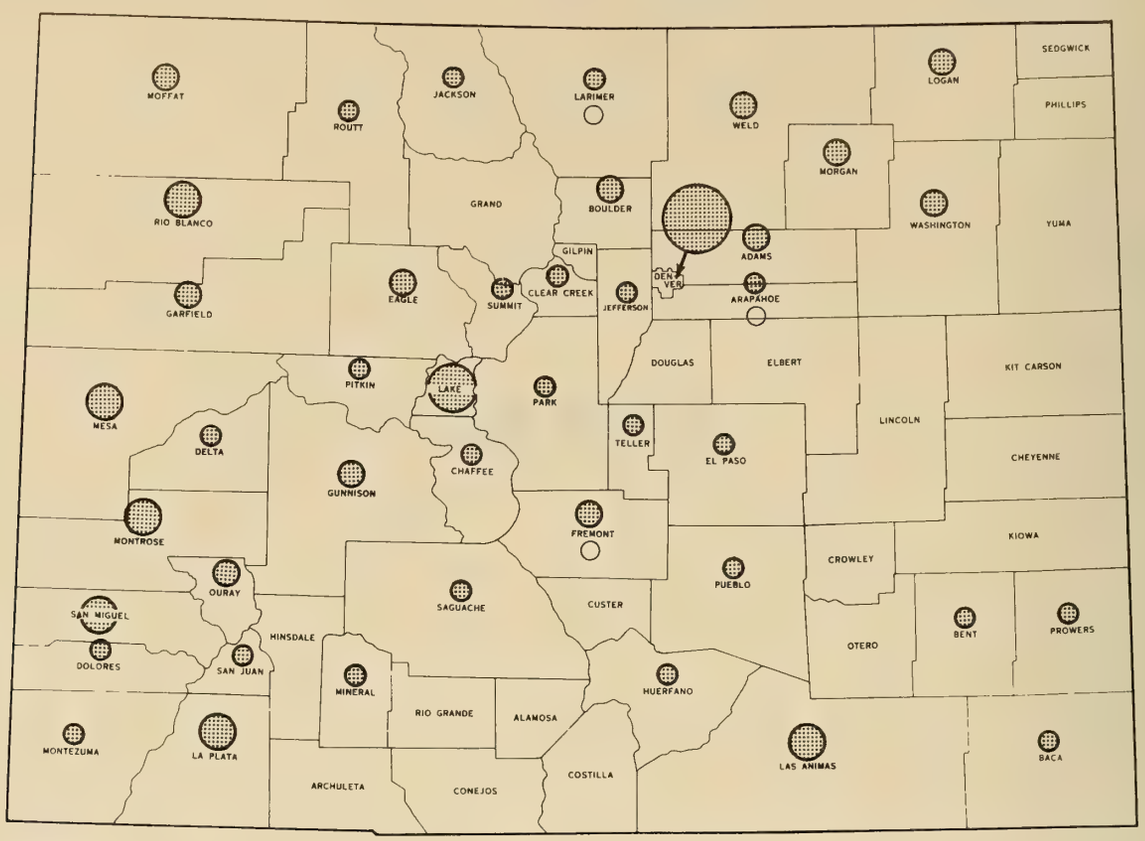
EMPLOYMENT IN MINING BY COUNTY: 1958

COLORADO

RANK AMONG STATES
EMPLOYMENT - 16
VALUE OF SHIPMENTS - 14

EMPLOYMENT
8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES



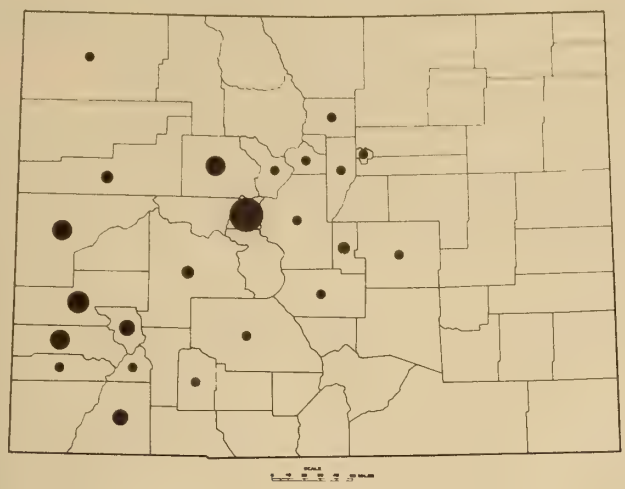
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U. S. DEPARTMENT OF COMMERCE
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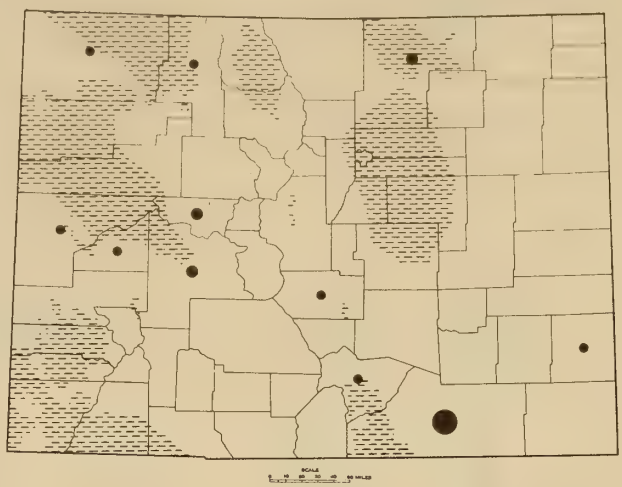
MINING IN COLORADO

Employment For Industry Group By County: 1958

Metal Mining

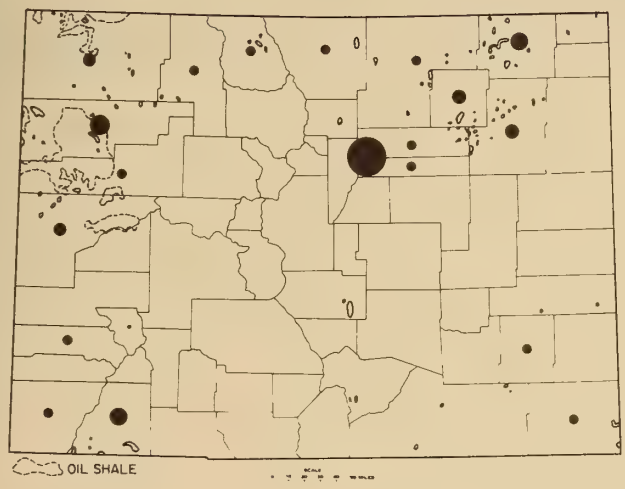


Coal Mining



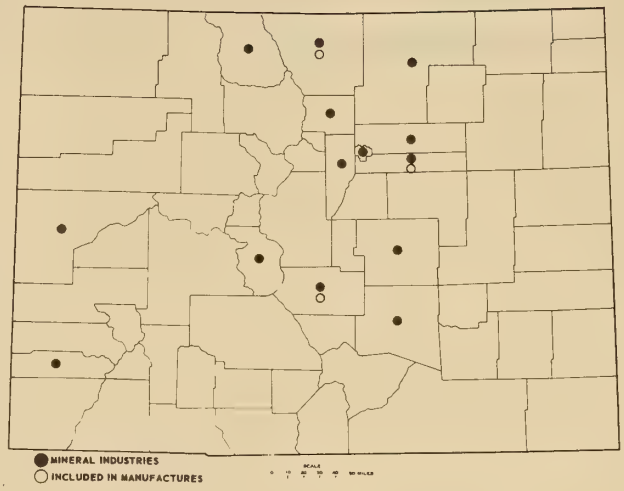
General Extent of Coal Fields

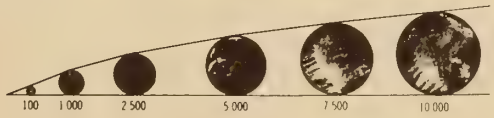
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





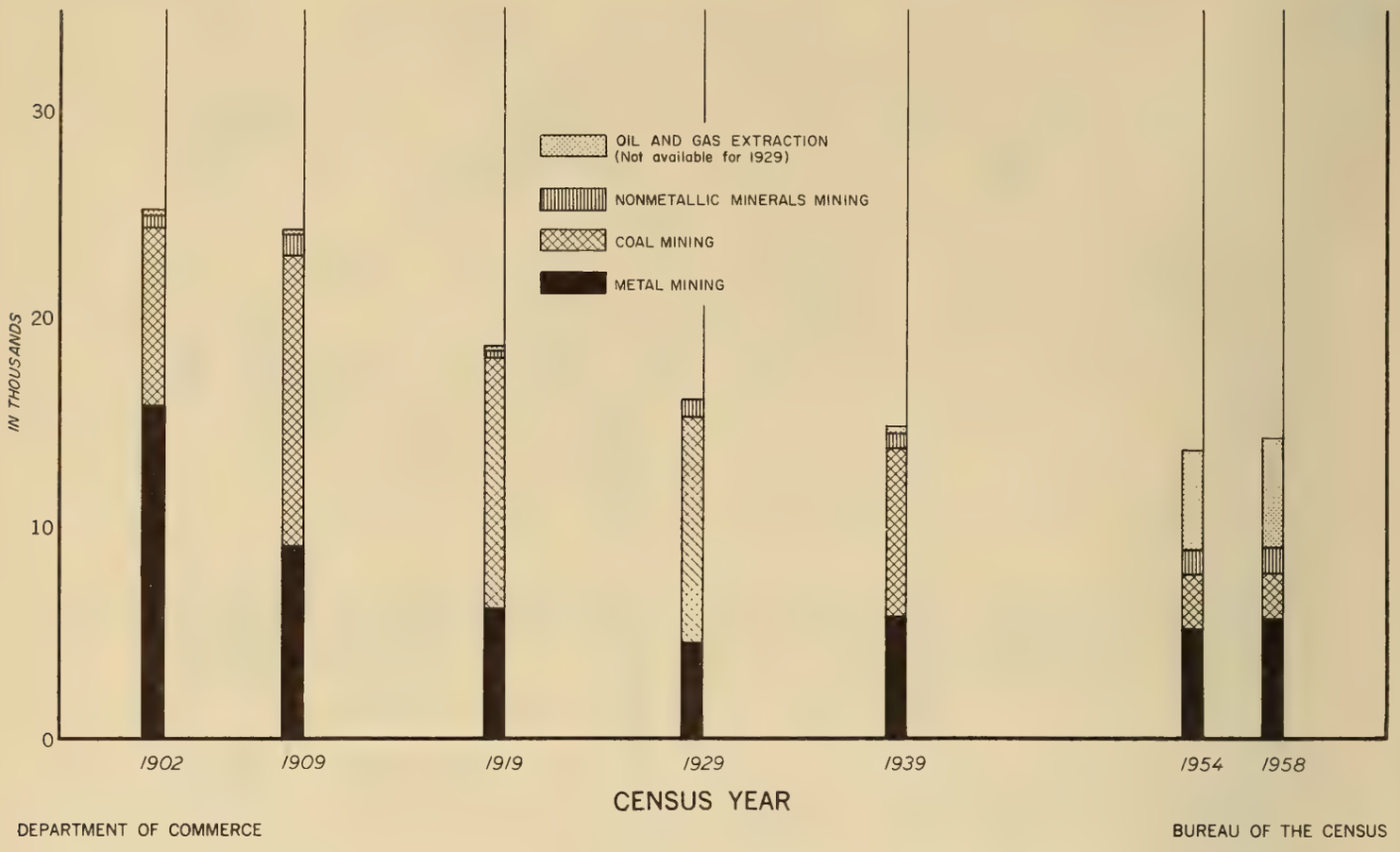
U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Employment in Mining

Including Mining in Manufactures: 1902-1958

COLORADO



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	967	129	14,109	76,236	9,854	19,015	47,493	249,446	67,383	37,038	36,338	31,374	362,473	59,106	r6,230	r632
1954	1,020	117	13,550	59,544	10,840	21,045	43,934	[2]204,547	49,949	[3]3,355	40,750	24,767	[2]258,895	56,479	4,872	449
Including operations in manufactures:																
1958	992	132	14,273	76,923	10,014	19,340	48,166	255,896	[4]67,986	37,038	[4]36,338	[5]31,390	369,520	[5]59,128	r6,232	r622
1954[6]	1,043	118	13,690	59,999	10,977	21,317	44,381	[2]207,541	[4]50,243	[3]3,355	[4]40,761	[5]24,787	[2]262,214	[5]56,479	[5]4,873	444
1939[7]	[8]589	(NA)	14,800	19,823	13,469	23,356	16,845	41,875	9,815	(NA)	601	(NA)	52,291	(NA)	2,113	157
1929[9]	431	(NA)	16,061	25,528	15,099	(NA)	23,075	32,205	8,712	(NA)	613	1,847	41,530	(NA)	2,329	154
1919[10]	537	(NA)	18,699	28,999	17,268	(NA)	26,042	35,632	10,879	4,282	424	(NA)	51,217	(NA)	[11]3,205	186
1909[10]	1,060	(NA)	24,227	22,082	22,612	(NA)	19,663	29,579	6,997	5,959	3,145	(NA)	45,680	(NA)	(NA)	(NA)
1902[12]	[8]1,998	(NA)	25,210	24,316	[13]22,856	(NA)	21,215	31,588	8,038	(NA)	977	(NA)	40,603	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry. No data on value of shipments or cost of minerals received for preparation were obtained for this industry.

[3]Excludes the cost of natural gas received for processing, but includes the estimated value prior to processing of natural gas liquids contained in such gas. See also footnote 2.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, and for dimension stone mining operations in manufactures in 1958, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels, etc.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 5 dimension stone quarries.

[8]Represents number of mines and quarries, number of natural gasoline plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for the oil and gas extraction industries and for common clay and shale mining operations. In 1939, the value of products and services of such operations was $1,607 thousand.

[10]Excludes data for sand, gravel, common clay, and shale mining operations. In 1939, the value of products of such operations was $576 thousand.

[11]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 4 percent of the total kwh equivalent of energy used.

[12]Includes data for one cement plant and for lime plants producing lime valued at $46 thousand. See also footnote 10.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

rRevised.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	992	132	14,273	76,923	10,014	19,340	48,166	255,896	[2]172,752	[3]369,520	[4]59,128	13,690	[5]207,541
	Mineral industries	967	129	14,109	76,236	9,854	19,015	47,493	249,446	172,133	362,473	59,106	13,550	[5]204,547
	Included in manufactures	25	3	[3]164	[3]687	[3]160	325	673	6,450	[2]619	[3]7,047	[4]22	[3]140	2,994
10	Metal mining	382	37	5,763	28,821	4,680	9,185	22,104	70,130	92,752	141,830	21,052	[6]6,178	[5 6]65,599
104	Gold and silver ores	59	3	229	922	203	424	820	1,867	1,869	3,102	634	[7]337	[7]1,892
1042	Lode gold	41	3	197	724	176	370	650	1,417	1,714	2,889	242	[8]318	[8]1,823
108	Metal mining services	24	4	317	1,728	302	656	1,623	2,773	1,268	3,967	74	(NA)	(NA)
1082	Metal mining services, nec	15	4	280	1,576	265	585	1,471	2,470	1,154	3,580	44	(NA)	(NA)
109	Miscellaneous metal ores:													
1094	Uranium-radium-vanadium ores	227	22	2,500	12,688	1,990	4,181	9,805	29,176	75,880	87,773	17,283	1,631	(NA)
1211	Bituminous coal mining (Bituminous coal)	105	21	2,016	9,628	1,800	2,807	8,359	16,348	4,698	19,698	1,348	2,618	13,480
13	Oil and gas extraction	341	62	5,252	32,482	2,465	5,018	12,655	151,420	69,671	185,346	35,745	4,754	125,468
1311	Crude petroleum and natural gas	222	34	3,665	24,344	1,141	2,267	6,290	132,435	55,880	155,256	33,059	2,340	107,149
	Crude petroleum	200	31	3,470	23,163	1,024	1,995	5,690	127,094	48,202	149,004	26,292	} 2,340	107,149
	Natural gas	22	3	195	1,181	117	272	600	5,341	7,678	6,252	6,767		
138	Oil and gas field services:													
1381	Drilling oil and gas wells	56	19	1,009	5,376	829	1,709	4,019	9,740	6,854	15,309	1,285	1,604	11,465
1389	Oil and gas field services, nec	39	6	350	1,565	304	661	1,349	3,199	1,159	4,016	342	(NA)	(NA)
	Nonmetallic minerals mining	164	12	1,242	5,992	1,069	2,330	5,048	17,998	[2]5,631	[3]22,646	[4]983	(NA)	(NA)
14	Mineral industries	139	9	1,078	5,305	909	2,005	4,375	11,548	5,012	15,599	961	([6])	([6])
	Included in manufactures	25	3	[3]164	[3]687	[3]160	325	673	6,450	[2]619	[3]7,047	[4]22	[3]140	2,994
	Dimension stone	17	...	61	216	51	120	177	389	213	537	65	79	343
	Crushed and broken stone:													
1421	Mineral industry	12	3	216	1,098	192	385	948	2,002	1,008	2,845	165	[9]113	[9]2,849
	Sand and gravel	63	4	520	2,559	421	924	2,047	7,982	2,270	9,884	(NA)	(NA)	(NA)
1441	Mineral industry	55	3	457	2,302	358	798	1,790	5,639	2,069	7,340	368	482	5,028
	Included in manufactures	8	1	[3]63	[3]257	[3]63	126	257	2,343	[2]201	[3]2,544	(NA)	(NA)	(NA)
	Clay and related minerals	46	...	112	453	100	195	390	1,427	442	1,720	(NA)	197	1,774
145	Mineral industries	39	...	91	376	79	155	313	830	380	1,061	149	132	1,020
147	Chemical and fertilizer minerals	7	3	230	1,213	207	510	1,055	2,358	1,308	3,481	185	[10]219	[10]2,336

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]Data for the Nonmetallic Minerals Mining Industries are included with those for the Metal Mining Industries.

[7]Includes data for the Copper Ores Industry.

[8]Includes data for the Placer Gold Industry.

[9]Includes data for mining operations in manufacturing establishments.

[10]Represents data for the Fluorspar Industry only.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	172,133	67,383	37,038	36,338	31,374	59,106	14,832	44,274	xxx	xxx	xxx	xxx
10	Metal mining.....	92,752	38,430	32,949	8,740	12,633	21,052	1,923	19,129	xxx	xxx	xxx	xxx
1094	Uranium-radium-vanadium ores...	75,880	26,441	31,413	6,645	11,381	17,283	1,213	16,070	[3]836	56,279	...	...
1211	Bituminous coal.....	4,698	3,578	(4)	236	884	1,348	193	1,155	3,121	19,129	...	...
13	Oil and gas extraction.....	69,671	[4]25,466	(4)	26,928	17,277	35,745	12,587	23,158	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	55,880	15,556	...	24,713	15,611	33,059	12,554	20,505	xxx	154,815	xxx	271
	Crude petroleum.....	48,202	11,589	...	21,805	14,808	26,292	8,983	17,309	[5]48,033	142,805	[5]161	465
	Natural gas.....	7,678	3,967	...	2,908	803	6,767	3,571	3,196	[6]35,272	6,026	[6]43,231	5,790
138	Oil and gas field services:												
1381	Drilling oil and gas wells...	6,854	4,157	...	1,961	736	1,285	32	1,253	xxx	[7]15,673	xxx	(7)
14	Nonmetallic minerals mining.....	5,012	[4]3,998	(4)	434	580	961	129	832	xxx	xxx	xxx	xxx
1441	Sand and gravel.....	2,069	[4]1,709	(4)	122	238	368	20	348	7,258	[8]9,099	[8]2,248	(7)

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Represents crude uranium-vanadium ores mined.
[4]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[5]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.
[6]Represents millions of cubic feet of natural gas shipped.
[7]Figures for primary products shipped or services performed in other industries are included with those for primary products shipped or services performed in the specified industry.
[8]Includes data for sand and gravel produced and used in the same establishment. For value of shipments, see also footnote 7.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	836	687	513	244	98	171	145	65	68	12	29	149
	Number of employees	12,344	11,722	4,926	1,402	206	3,318	5,256	4,373	704	179	1,540	622
	Value added in mining, $1,000	232,890	236,064	153,626	16,349	1,913	135,364	60,366	50,445	8,128	1,793	22,072	[3]
10	Metal mining:												
	Number of establishments	358	269	237	196	39	2	21	12	9	...	11	89
	Number of employees	5,446	5,202	1,275	1,227	(D)	(D)	2,556	2,548	8	...	1,371	244
	Value added in mining, $1,000	67,357	67,674	15,508	15,255	(D)	(D)	35,567	35,522	45	...	16,599	[3]
1094	Uranium-radium-vanadium ores:												
	Number of establishments	227	195	185	163	20	2	1	1	...	...	9	32
	Number of employees	2,500	2,436	(D)	1,087	21	(D)	(D)	(D)	...	...	(D)	64
	Value added in mining, $1,000	29,176	29,217	(D)	13,707	146	(D)	(D)	(D)	...	...	(D)	[3]
1211	Bituminous coal:												
	Number of establishments	105	105	47	46	1	...	56	49	5	2	2	...
	Number of employees	2,016	2,016	187	(D)	(D)	...	(D)	1,674	105	(D)	(D)	...
	Value added in mining, $1,000	16,348	16,348	1,068	(D)	(D)	...	(D)	13,722	1,238	(D)	(D)	...
13	Oil and gas extraction:												
	Number of establishments	235	179	166	...	...	166	...	...	...	...	13	56
	Number of employees	[4]3,893	[4]3,523	3,295	...	...	3,295	...	...	...	...	[4]228	370
	Value added in mining, $1,000	[4]138,481	[4]141,343	135,297	...	...	135,297	...	...	...	...	[4]6,046	[3]
14	Nonmetallic minerals mining:												
	Number of establishments	138	134	63	2	58	3	68	4	54	10	3	4
	Number of employees	[5]1,078	[5]1,070	169	(D)	140	(D)	(D)	151	591	(D)	(D)	8
	Value added in mining, $1,000	[5]11,548	[5]11,543	1,753	(D)	1,634	(D)	(D)	1,201	6,845	(D)	(D)	5
1441	Sand and gravel:												
	Number of establishments	55	55	8	...	6	2	45	...	36	9	2	...
	Number of employees	457	457	(D)	...	45	(D)	397	...	348	49	(D)	...
	Value added in mining, $1,000	5,639	5,639	(D)	...	630	(D)	4,958	...	4,637	321	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[4]Includes data for the Oil and Gas Exploration Services Industry.
[5]Includes data for the Nonmetallic Services, NEC, Industry.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COLORADO:													
	All mineral operations	992	132	14,273	76,923	10,014	19,340	48,166	255,896	[4]172,752	369,520	[5]59,128	13,690	[6]207,541
	Mineral industries	967	129	14,109	76,236	9,854	19,015	47,493	249,446	172,133	362,473	59,106	13,550	[6]204,547
	Included in manufactures	25	3	[7]164	[7]687	[7]160	325	673	6,450	[4]619	7,047	[5]22	[7]140	2,994
	COUNTIES													
	Adams, total	41	1	193	1,124	(NA)	(NA)	(NA)	(NA)	(NA)	5,085	(NA)	[8]199	(NA)
13	Oil and gas extraction	28	1	64	378	(NA)	(NA)	(NA)	(NA)	(NA)	2,375	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	18	1	43	275	(NA)	(NA)	(NA)	(NA)	(NA)	2,080	(NA)	28	(NA)
144	Nonmetallic minerals mining (sand and gravel)	13	...	129	746	97	262	576	2,273	456	2,710	19	(NA)	(NA)
	Arapahoe (mineral industries only)	16	1	156	923	(NA)	(NA)	(NA)	(NA)	(NA)	951	(NA)	31	316
	Baca	15	...	46	248	(NA)	(NA)	(NA)	(NA)	(NA)	575	(NA)	(NA)	(NA)
	Bent	6	...	32	179	(NA)	(NA)	(NA)	(NA)	(NA)	132	(NA)	(NA)	(NA)
	Boulder (mineral industries only)	23	2	225	1,196	(NA)	(NA)	(NA)	(NA)	(NA)	4,186	(NA)	359	[6]2,661
10	Metal mining	11	1	96	553	90	167	512	1,400	906	2,279	27	142	[6]1,207
	Nonmetallic minerals mining (including operations in manufactures)	14	1	[7]143	[7]677	[7]124	285	550	1,482	[4]833	2,123	[5]192	[7]214	1,503
10	Custer	9	...	11	31	11	18	31	14	29	35	8	(NA)	(NA)
	Delta	13	1	61	200	(NA)	(NA)	(NA)	(NA)	(NA)	422	(NA)	(NA)	(NA)
	Denver (mineral industries only):													
	Including oil and gas extraction	78	17	2,008	13,378	(NA)	(NA)	(NA)	(NA)	(NA)	1,043	(NA)	[8]564	(NA)
	Excluding oil and gas extraction	22	...	93	486	51	98	210	370	244	564	50	91	[6]1,099
	Dolores	12	1	112	551	(NA)	(NA)	(NA)	(NA)	(NA)	955	(NA)	[8]99	(NA)
	El Paso (mineral industries only)	15	2	167	851	138	273	724	1,188	668	1,723	133	86	[6]556
	Fremont (mineral industries only):													
	Including oil and gas extraction	54	2	220	835	(NA)	(NA)	(NA)	(NA)	(NA)	3,130	(NA)	[8]139	(NA)
	Excluding oil and gas extraction	44	2	211	781	188	326	679	2,000	2,047	2,963	1,084	147	[6]1,092
10	Metal mining	13	1	39	196	35	94	158	681	(D)	1,032	(D)	(NA)	(NA)
	Garfield (mineral industries only)	21	3	283	1,535	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[8]187	[6 9]202
	Grand	3	...	6	29	(NA)	(NA)	(NA)	(NA)	(NA)	42	(NA)	(NA)	(NA)
	Gunnison	22	9	428	1,810	354	587	1,464	3,808	2,542	5,861	489	247	1,242
	Huerfano	12	1	59	239	(NA)	(NA)	(NA)	(NA)	(NA)	662	(NA)	[10]48	[10]285
	Jackson	16	1	134	699	(NA)	(NA)	(NA)	(NA)	(NA)	4,646	(NA)	[8]80	(NA)
131	Crude petroleum and natural gas	5	...	19	124	(NA)	(NA)	(NA)	(NA)	(NA)	2,698	(NA)	(NA)	(NA)
	Jefferson (mineral industries only)	40	1	154	767	(NA)	(NA)	(NA)	(NA)	(NA)	1,873	(NA)	89	[6]835
14	Nonmetallic minerals mining (mineral industries only)	26	...	68	307	55	106	261	923	340	1,100	163	75	814
10	Lake	4	2	1,577	(D)	1,269	(D)	(D)	(D)	(D)	(D)	(D)	1,586	(D)
	La Plata (mineral industries only)	57	5	636	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[8]264	(NA)
13	Oil and gas extraction	42	4	321	2,057	(NA)	(NA)	(NA)	(NA)	(NA)	4,063	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	28	4	298	1,942	(NA)	(NA)	(NA)	(NA)	(NA)	3,323	(NA)	74	(NA)
	Larimer (mineral industries only)	22	...	68	324	(NA)	(NA)	(NA)	(NA)	(NA)	1,524	(NA)	[8 11]58	(NA)
13	Oil and gas extraction	10	...	24	147	(NA)	(NA)	(NA)	(NA)	(NA)	1,159	(NA)	[8]30	(NA)
	Las Animas	16	2	923	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[10]1,271	[10]5,226
13	Logan	80	4	336	1,926	(NA)	(NA)	(NA)	(NA)	(NA)	23,168	(NA)	[8]159	(NA)
131	Crude petroleum and natural gas	37	3	170	1,108	(NA)	(NA)	(NA)	(NA)	(NA)	17,876	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Mesa:													
	Including oil and gas extraction	87	10	793	4,184	(NA)	(NA)	(NA)	(NA)	(NA)	19,829	(NA)	[8]471	(NA)
	Excluding oil and gas extraction	70	7	662	3,418	443	895	2,229	9,863	10,235	19,246	852	440	[6]584
10	Metal mining	59	5	577	3,008	374	766	1,894	9,251	10,046	18,532	765	(NA)	(NA)
	Moffat, total	36	6	327	1,902	(NA)	(NA)	(NA)	(NA)	(NA)	11,618	(NA)	[8]149	(NA)
131	Crude petroleum and natural gas	7	2	108	704	(NA)	(NA)	(NA)	(NA)	(NA)	4,253	(NA)	(NA)	(NA)
138	Oil and gas field services	23	2	82	410	(NA)	(NA)	(NA)	(NA)	(NA)	1,249	(NA)	(NA)	(NA)
10 12 132	Metal mining, Bituminous coal mining, and Natural gas liquids	6	2	137	788	94	215	564	([12])	9,925	6,116	2,866	(NA)	(NA)
	Montezuma	37	1	147	742	(NA)	(NA)	(NA)	(NA)	(NA)	1,603	(NA)	(NA)	(NA)
13	Oil and gas extraction	28	...	108	590	(NA)	(NA)	(NA)	(NA)	(NA)	1,137	(NA)	(NA)	(NA)
138	Oil and gas field services	21	...	75	375	(NA)	(NA)	(NA)	(NA)	(NA)	1,119	(NA)	(NA)	(NA)
	Montrose	99	7	677	3,277	(NA)	(NA)	(NA)	(NA)	(NA)	9,990	(NA)	779	[6]391
10	Metal mining	94	7	674	3,262	637	1,342	3,079	7,450	2,759	9,560	649	(NA)	(NA)
109	Uranium-radium-vanadium ores	80	6	602	2,892	568	1,200	2,730	6,782	2,492	8,683	591	723	(NA)
	Morgan	82	4	260	1,457	(NA)	(NA)	(NA)	(NA)	(NA)	27,652	(NA)	[8]209	(NA)
131	Crude petroleum and natural gas	43	1	98	639	(NA)	(NA)	(NA)	(NA)	(NA)	22,806	(NA)	(NA)	(NA)
10	Ouray	8	1	321	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	318	(D)
	Park	10	...	26	147	20	36	132	295	(D)	129	(D)	(NA)	(NA)
138	Prowers	5	...	37	185	(NA)	(NA)	(NA)	(NA)	(NA)	180	(NA)	[8]26	(NA)
	Pueblo (mineral industries only)	9	1	58	326	46	79	179	646	502	1,055	93	32	286
	Rio Blanco	44	8	518	3,032	(NA)	(NA)	(NA)	(NA)	(NA)	76,049	(NA)	[8]370	(NA)
13	Oil and gas extraction	40	8	512	3,016	(NA)	(NA)	(NA)	(NA)	(NA)	75,982	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	19	3	244	1,590	(NA)	(NA)	(NA)	(NA)	(NA)	71,452	(NA)	292	(NA)
	Routt	29	3	192	985	(NA)	(NA)	(NA)	(NA)	(NA)	2,950	(NA)	[8]288	(NA)
12	Bituminous coal mining	8	2	140	724	126	173	648	1,507	581	1,778	310	278	1,624
	San Juan	12	1	48	240	(NA)	(NA)	(NA)	(NA)	(NA)	314	(NA)	211	[6]1,335
	San Miguel	44	3	525	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	245	(NA)
10	Summit	8	1	45	251	43	94	246	312	184	476	20	58	(D)
	Teller (mineral industries only)	19	3	154	584	136	305	530	1,428	1,539	2,889	78	239	(D)
13	Washington	73	5	295	1,710	(NA)	(NA)	(NA)	(NA)	(NA)	22,154	(NA)	[8]103	(NA)
131	Crude petroleum and natural gas	40	3	151	984	(NA)	(NA)	(NA)	(NA)	(NA)	18,014	(NA)	(NA)	(NA)
	Weld (mineral industries only)	63	5	357	2,044	(NA)	(NA)	(NA)	(NA)	(NA)	10,051	(NA)	[8]404	(NA)
131	Crude petroleum and natural gas	28	...	66	430	(NA)	(NA)	(NA)	(NA)	(NA)	6,284	(NA)	(NA)	(NA)
12	Bituminous coal mining	6	5	209	1,252	189	381	1,139	2,391	450	2,720	121	361	2,260
13	Undistributed, total	99	4	685	4,130	(NA)	(NA)	(NA)	(NA)	(NA)	8,846	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	36	1	419	2,733	(NA)	(NA)	(NA)	(NA)	(NA)	4,787	(NA)	(NA)	(NA)
138	Oil and gas field services	63	3	266	1,397	(NA)	(NA)	(NA)	(NA)	(NA)	4,059	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments. [2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of reported county data. [3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. [4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed. [5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments. [6]Excludes data for the Uranium-Radium-Vanadium Ores Industry. [7]See table 2A, footnote 3. [8]Excludes data for the Oil and Gas Field Services Industries. [9]Excludes data for the Oil and Gas Extraction Industries. [10]Represents the Bituminous Coal Industry only. [11]Includes data for operations in manufactures. [12]Not shown since the cost of supplies, purchases for resale, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Colorado, total.....	992	967	25	1	4	37	59	...	5	24	252	105	...	222	13	106	13	4	12	5	55	8	39	7	7	1	12	1
No employees.....	173	172	1	1	1	10	16	...	...	3	55	14	...	38	...	5	5	...	...	...	4	1	17	...	...	...	3	...
1-4 employees.....	446	433	13	...	2	17	36	...	4	13	129	50	...	91	6	38	6	1	2	2	15	4	15	5	3	...	6	1
5-9 employees.....	139	134	5	...	...	3	2	...	...	1	29	9	...	37	2	21	1	3	5	1	17	...	4	1	...	...	3	...
10-19 employees...	102	99	3	...	1	1	2	...	...	3	16	11	...	22	2	17	1	...	2	...	16	2	3	1	1	1	...	...
20-49 employees...	81	78	3	...	...	3	2	...	...	3	11	14	...	16	2	22	...	...	2	2	3	1	...	...	...	...	...	...
50-99 employees...	33	33	...	...	...	1	1	...	...	...	7	4	...	12	1	3	...	...	1	...	...	...	...	...	3	...	...	...
100-249 employees.	10	10	...	...	...	...	...	...	...	1	3	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250-499 employees.	7	7	...	...	...	2	...	...	...	...	2	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	40	40	...	...	...	...	...	...	...	...	...	...	...	17	1	9	...	...	...	...	13	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alamosa:																												
0-19 employees....	2	2	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	..	...	...	...	...	...	...	...	...	...	...
Arapahoe:																												
0-19 employees....	15	15	...	...	1	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	7	...	2	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Archuleta:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Baca:																												
0-19 employees....	15	15	...	...	...	1	1	...	...	...	...	...	...	5	...	7	...	...	...	...	1	...	...	...	...	...	...	...
Bent:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Boulder:																												
0-19 employees....	24	21	3	...	...	1	5	...	1	1	2	...	...	...	...	1	6	2	...	...	1	...	1	1	1	1	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Chaffee:																												
0-19 employees....	9	8	1	...	...	...	2	...	...	...	4	...	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cheyenne:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Clear Creek:																												
0-19 employees....	12	12	...	...	...	5	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Conejos:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Costilla:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Crowley:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Custer:																												
0-19 employees....	9	9	...	...	...	1	1	...	...	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Delta:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	7	...	...	...	2	...	...	...	...	2	...	...	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Denver:																												
0-19 employees....	64	61	3	...	...	1	2	...	...	2	13	...	...	24	...	15	...	...	...	...	1	...	1	3	1	...	1	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	13	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Dolores:																											
0-19 employees	11	11	...	...	...	...	...	...	...	5	1	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Douglas:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...
Eagle:																											
0-19 employees	2	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elbert:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
El Paso:																											
0-19 employees	14	13	1	...	...	...	1	...	...	1	5	1	...	...	...	...	...	...	...	...	3	...	2	1	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...
Fremont:																											
0-19 employees	54	52	2	...	...	...	...	...	...	2	10	16	...	5	...	5	2	...	5	1	...	1	3	...	...	...	4	...
20-99 employees	3	2	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Garfield:																											
0-19 employees	19	18	1	...	...	...	...	...	...	...	1	7	...	1	...	7	...	...	2	1	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gilpin:																											
0-19 employees	4	4	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Gunnison:																											
0-19 employees	13	13	...	...	...	2	1	...	1	1	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	9	9	...	...	...	1	...	...	...	...	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hinsdale:																											
0-19 employees	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Huerfano:																											
0-19 employees	11	11	...	...	...	...	...	...	...	...	9	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees	15	15	...	...	...	...	...	...	...	...	2	2	...	5	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Jefferson:																											
0-19 employees	40	39	1	...	...	...	3	...	...	...	6	...	...	4	...	...	...	...	...	...	7	...	19	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kiowa:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Kit Carson:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lake:																											
0-19 employees	2	2	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
La Plata:																											
0-19 employees	53	52	1	...	1	...	1	...	...	...	1	11	...	24	...	14	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Larimer:																											
0-19 employees	25	22	3	...	...	...	...	...	...	...	4	...	...	6	...	4	4	...	1	1	1	...	...	1	...	...	2	1
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Las Animas:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	10	...	...	...	2	...	...	...	...	2	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Logan:																											
0-19 employees....	76	76	...	...	...	...	...	...	...	...	...	...	...	34	5	37	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Mesa:																											
0-19 employees....	77	77	...	...	...	...	...	...	...	6	48	7	...	7	...	7	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	1	3	1	...	2	...	1	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral:																											
0-19 employees....	5	5	...	...	...	...	4	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moffat:																											
0-19 employees....	30	30	...	...	...	...	...	...	...	1	1	...	...	5	2	21	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	1	1	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Montezuma:																											
0-19 employees....	36	36	...	...	...	...	1	...	...	1	5	...	...	7	...	21	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Montrose:																											
0-19 employees....	92	92	...	...	...	...	3	...	...	10	74	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morgan:																											
0-19 employees....	78	78	...	...	...	...	...	...	...	...	...	...	...	42	1	33	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Otero:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Ouray:																											
0-19 employees....	7	7	...	...	1	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Park:																											
0-19 employees....	10	10	...	...	...	2	4	...	...	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Phillips:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pitkin:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prowers:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...
Pueblo:																											
0-19 employees....	10	8	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	1	2	5	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Rio Blanco:																											
0-19 employees....	36	36	...	...	...	...	...	...	...	1	...	2	...	16	...	16	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	1	1	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rio Grande:																											
0-19 employees....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Routt:																											
0-19 employees....	26	26	...	...	...	...	...	...	...	...	1	6	...	5	...	12	...	...	...	...	...	...	...	...	...	...	2	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Saguache:																												
0-19 employees....	10	10	...	...	...	2	...	...	1	1	5	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Juan:																												
0-19 employees....	11	11	...	...	...	1	3	...	...	1	2	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Miguel:																												
0-19 employees....	41	41	...	1	...	1	...	...	...	6	28	...	...	...	...	4	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Summit:																												
0-19 employees....	7	7	...	...	...	5	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Teller:																												
0-19 employees....	17	16	1	...	...	...	14	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...
20-99 employees...	3	3	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	68	68	...	...	...	...	...	...	...	...	...	...	...	37	1	30	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Weld:																												
0-19 employees....	59	58	1	...	...	...	...	...	...	...	...	1	...	28	...	25	...	...	...	...	4	1	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yuma:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	95	95	...	...	...	...	...	...	...	...	...	...	...	35	...	60	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

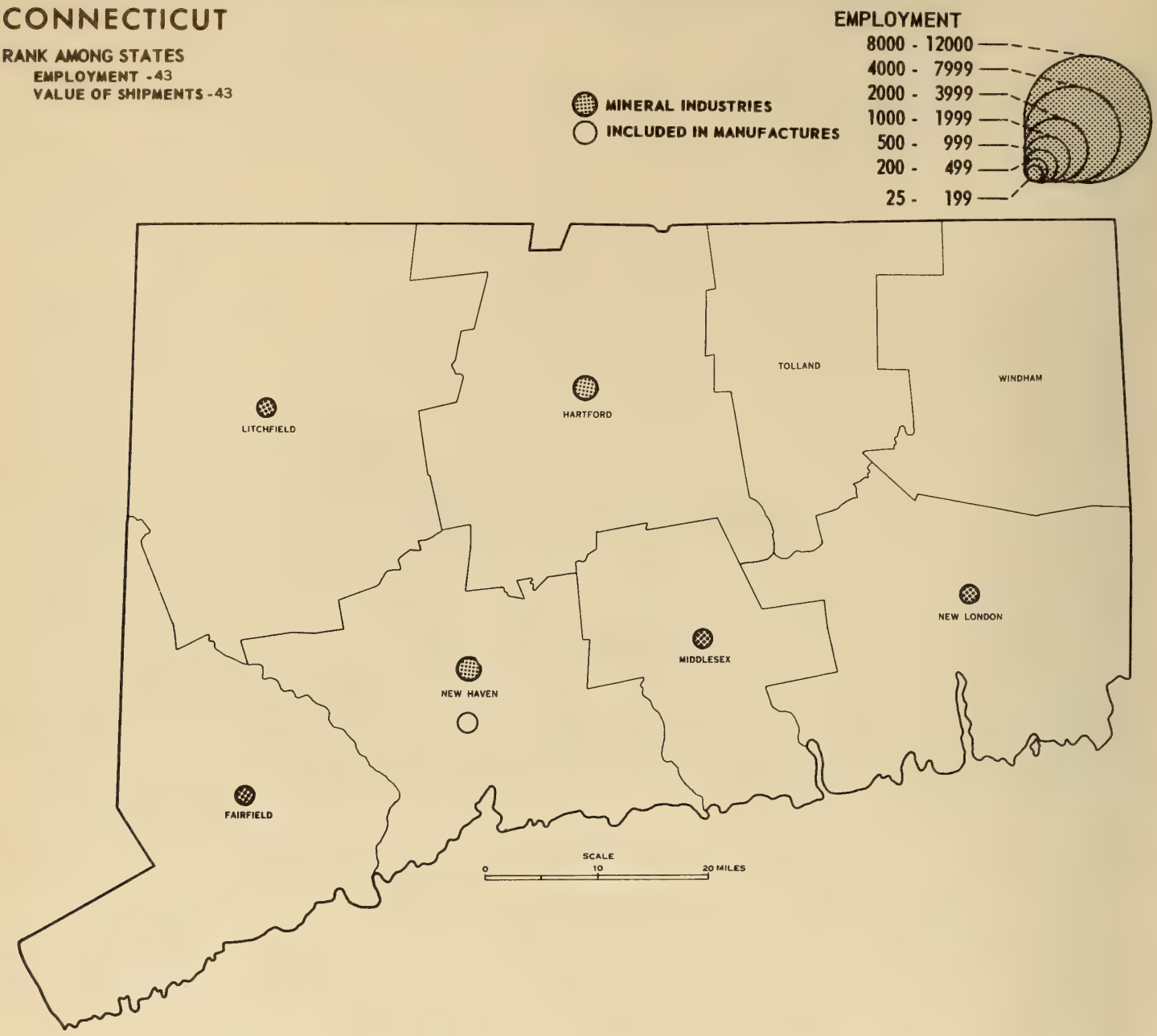
CONNECTICUT

6-1

EMPLOYMENT IN MINING BY COUNTY: 1958

CONNECTICUT

RANK AMONG STATES
EMPLOYMENT -43
VALUE OF SHIPMENTS -43



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	81	12	859	4,656	664	1,466	3,302	9,396	3,581	10	407	763	12,986	1,171	r162	r244
1954	91	7	790	3,445	605	1,437	2,464	8,003	1,891	36	302	586	9,719	1,099	143	236
Including operations in manufactures:																
1958	97	12	r927	4,939	r730	1,601	3,570	r10,540	[2]3,737	10	[2]407	[3]766	r14,286	[3]1,174	r[3]162	r222
1954[4]	104	7	833	3,682	647	1,580	2,696	9,228	[2]2,025	37	[2]302	[3]594	11,079	[3]1,107	[3]143	221
1939[5]	[6]63	(NA)	706	935	635	1,370	754	2,241	700	(NA)	21	(NA)	2,962	(NA)	95	150
1929[7]	52	(NA)	932	1,621	816	(NA)	1,307	3,711	482	(NA)	...	252	4,193	(NA)	153	188
1919[8]	41	(NA)	615	791	543	(NA)	647	1,197	425	...	27	(NA)	1,649	(NA)	[9]92	169
1909[8]	71	(NA)	1,470	812	1,385	(NA)	729	1,163	199	...	14	(NA)	1,376	(NA)	(NA)	(NA)
1902[10]	[6]90	(NA)	1,648	941	[11]1,497	(NA)	809	1,190	236	(NA)	...	(NA)	1,426	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $45 thousand; this value has been included in the value of shipments and in value added in mining. The corresponding value for sandstone is not available.

[6]Represents number of mines and quarries.

[7]Excludes data for common clay and shale and peat mining operations. There were 12 such mines in 1939, with products valued at between $63 thousand and $173 thousand.

[8]Excludes data for sand and gravel mining operations. There were 10 such establishments in 1929, with products valued at $383 thousand. For 1919 and 1902, excludes data for one nonproducing establishment. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used.

[10]Includes data for lime plants producing lime valued at $204 thousand. See also footnotes 7 and 8.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

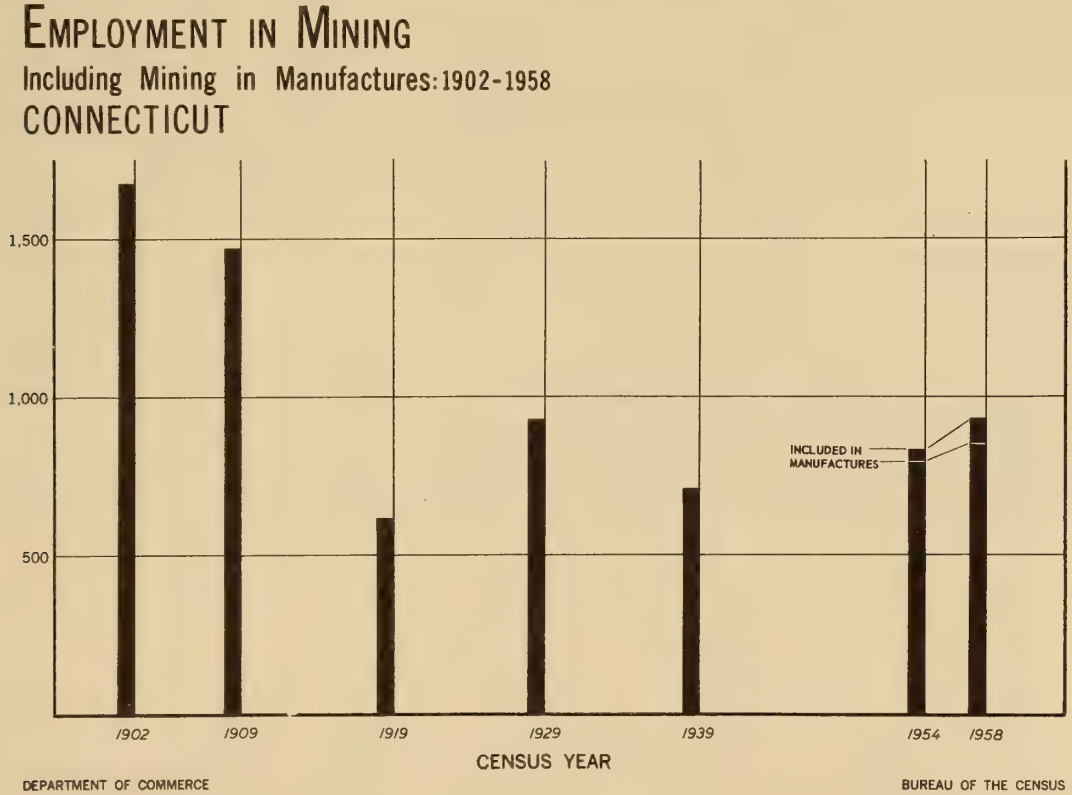


Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	97	12	r927	4,939	r730	1,601	3,570	r10,540	2 4,920	r3 14,286	4 1,174	833	9,228
	Mineral industries	81	12	859	4,656	664	1,466	3,302	9,396	4,761	12,986	1,171	790	8,003
	Included in manufactures	16	...	r3 68	3 283	r3 66	135	268	r1,144	2 159	r3 1,300	4 3	3 43	1,225
1421	Crushed and broken stone (mineral industry only)	17	7	397	2,280	312	730	1,636	3,971	2,594	6,134	431	306	3,338
	Crushed and broken stone, nec, (mineral subindustry)	13	6	338	1,944	261	625	1,417	3,523	2,145	5,302	366	294	3,151
	Sand and gravel	56	4	r3 446	3 2,280	r3 338	714	1,580	5,503	2 2,128	3 6,928	(NA)	(NA)	(NA)
1441	Mineral industry	51	4	423	2,170	315	665	1,470	5,073	2,047	6,417	703	340	3,810

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	4,761	3,581	10	407	763	1,171	4	1,167	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	2,594	2,019	...	211	364	431	...	431	4,135	6,120	3 575	741
	Crushed and broken stone, nec	2,145	1,627	...	211	307	366	...	366	3,728	5,290	413	565
1441	Sand and gravel	2,047	4 1,457	(4)	196	394	703	4	699	5,215	5 6,687	3 566	(5)

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Includes minerals produced and used in the same establishment in making manufactured products. For sand and gravel, includes a small tonnage transferred to other establishments in the Sand and Gravel Industry for preparation.

[4]Cost of minerals received for preparation is included with cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. See also footnote 3.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
14	All industries:												
	Number of establishments	80	79	18	...	14	4	61	...	53	8	...	1
	Number of employees	[3]859	(D)	(D)	...	(D)	(D)	799	...	702	97	...	(D)
	Value added in mining, $1,000	[3]9,396	(D)	(D)	...	(D)	(D)	8,763	...	7,636	1,127	...	(D)
1421	Crushed and broken stone:												
	Number of establishments	17	17	...	...	...	...	17	...	17	...	...	...
	Number of employees	397	397	...	...	...	...	397	...	397	...	...	...
	Value added in mining, $1,000	3,971	3,971	...	...	...	...	3,971	...	3,971	...	...	...
	Crushed and broken stone, nec:												
	Number of establishments	13	13	...	...	...	...	13	...	13	...	...	...
	Number of employees	338	338	...	...	...	...	338	...	338	...	...	...
	Value added in mining, $1,000	3,523	3,523	...	...	...	...	3,523	...	3,523	...	...	...
1441	Sand and gravel:												
	Number of establishments	51	50	9	...	5	4	41	...	33	8	...	1
	Number of employees	423	(D)	(D)	...	(D)	(D)	402	...	305	97	...	(D)
	Value added in mining, $1,000	5,073	(D)	(D)	...	(D)	(D)	4,758	...	3,631	1,127	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for one metal mining services establishment.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	CONNECTICUT:													
	All mineral operations	97	12	r927	4,939	r730	1,601	3,570	r10,540	[3]4,920	r[4]14,286	[5]1,174	833	9,228
	Mineral industries	81	12	r859	4,656	r664	1,466	3,302	r9,396	4,761	r12,986	1,171	790	8,003
	Included in manufactures	16	...	r[6]68	[6]283	r[6]66	135	268	r1,144	[3]159	r[4]1,300	[5]3	[6]43	1,225
	COUNTIES													
	Fairfield	13	1	113	578	97	190	500	1,333	667	1,763	237	111	1,223
	Hartford, total	28	3	253	1,207	207	458	991	2,922	[3]1,248	[4]3,859	(NA)	188	2,143
14	Mineral industries	22	3	235	1,130	189	420	914	2,504	1,214	3,407	311	174	2,039
	Included in manufactures	6	...	[6]18	[6]77	[6]18	38	77	418	[3]34	[4]452	(NA)	[6]14	104
142	Crushed and broken stone	7	3	164	760	133	303	641	1,559	835	2,268	126	107	1,241
144	Sand and gravel (mineral industries only)	11	...	67	357	52	110	260	929	378	1,122	185	60	762
	Litchfield (mineral industries only)	7	...	52	209	42	92	164	293	259	514	38	86	476
14	Middlesex (mineral industries only)	7	...	35	159	24	46	102	198	150	307	41	57	354
	New Haven, total	22	5	354	2,065	254	562	1,322	3,908	[3]1,877	[4]5,373	(NA)	(NA)	(NA)
14	Mineral industries	17	5	319	1,961	219	514	1,218	3,691	1,804	5,083	412	291	3,166
	Included in manufactures	5	...	[6]35	[6]104	[6]35	48	104	217	[3]73	[4]290	(NA)	(NA)	(NA)
142	Crushed and broken stone	6	3	174	1,184	128	322	776	1,964	1,310	3,034	240	168	1,836
144	Sand and gravel	11	2	145	777	91	192	432	1,727	494	2,049	172	108	1,138
14	New London (mineral industries only)	7	2	71	457	62	141	274	778	499	1,217	60	36	511

NA Not available. r Revised.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] Companies engaged only in mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.

[3] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[4] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.

[5] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6] See table 2A, footnote 3.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Connecticut, total..	97	81	16	...	...	...	...	...	...	1	...	...	...	...	...	...	6	3	17	1	51	5	2	7	...	...	4	...
No employees.....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	2	...	...	3	...
1-4 employees.....	34	26	8	...	...	...	...	...	...	...	...	...	...	...	...	...	5	2	...	...	19	2	1	4	...	...	1	...
5-9 employees.....	18	16	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	12	...	...	1	...	...	...	...
10-19 employees...	26	22	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6	...	15	3	1	...	...	...	...	...
20-49 employees...	10	10	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	5	...	4	...	...	...	...	...	...	...
50-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
COUNTY																												
Fairfield:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	10	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hartford:																												
0-19 employees....	25	19	6	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	11	2	...	4	...	...	2	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Litchfield:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	1	4	...	...	...	...	...	...	...
Middlesex:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	1	...	...	2	...
New Haven:																												
0-19 employees....	17	12	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	9	2	...	2	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...
New London:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	4	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Tolland:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	4	...	...	...	...	...	...	...
Windham:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

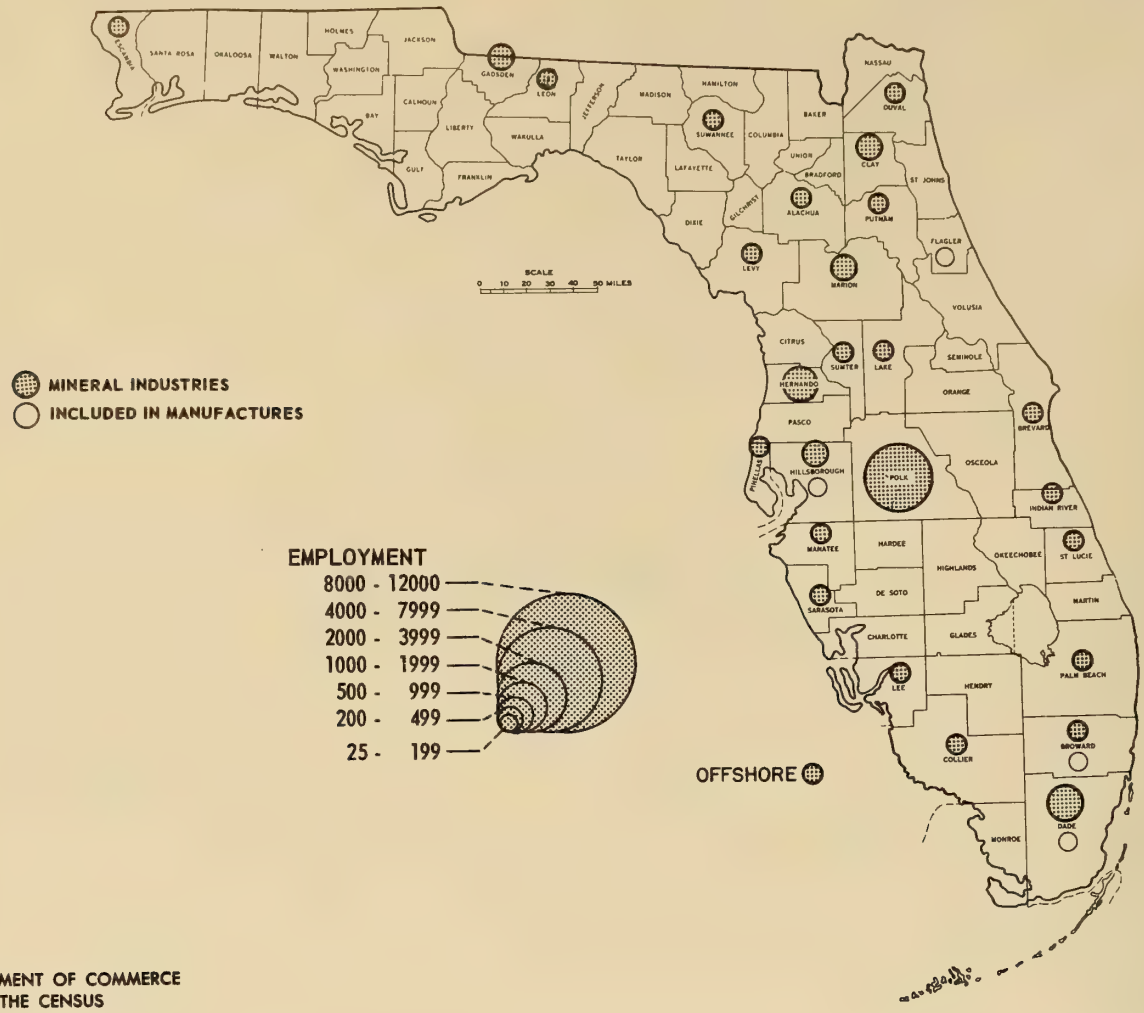
FLORIDA

7-1

EMPLOYMENT IN MINING BY COUNTY: 1958

FLORIDA

RANK AMONG STATES
EMPLOYMENT - 25
VALUE OF SHIPMENTS - 22



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN FLORIDA

Employment For Industry Group By County: 1958

Metal Mining



Coal Mining

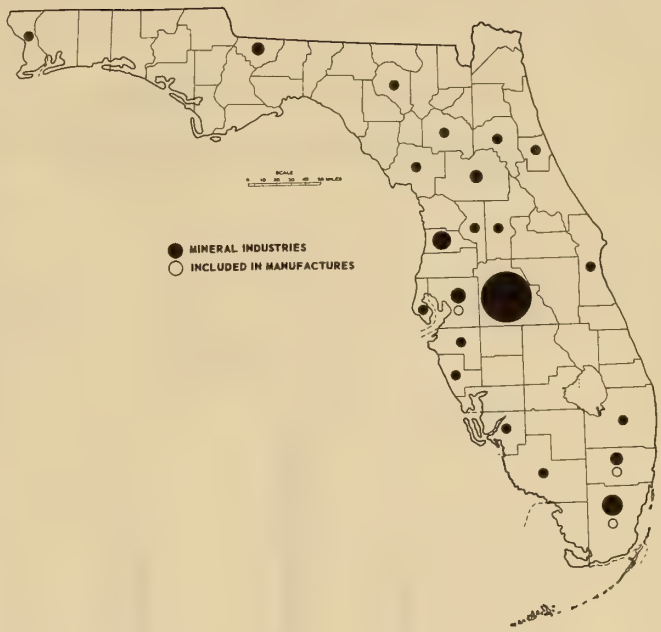


Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining



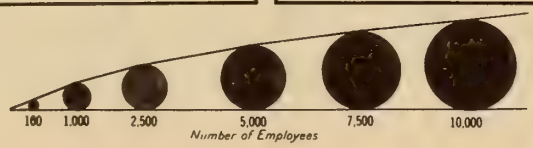


Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	206	69	r6,694	r29,062	5,483	11,689	22,022	82,652	29,588	38,712	4,354	9,573	153,198	11,681	r2,909	r531
1954	193	54	6,796	26,080	5,532	12,951	19,610	r12 67,366	24,798	32,291	4,952	11,067	12 124,839	15,634	3,094	559
Including operations in manufactures:																
1958	220	72	r6,921	r30,133	5,708	12,142	23,085	87,436	2 30,556	2 38,712	2 4,354	3 9,573	158,950	3 11,681	r3 2,909	r510
1954[4]	199	57	6,889	26,426	5,625	13,137	19,956	r12 68,702	2 25,170	32,291	2 4,953	3 11,071	12 126,550	3 15,636	3 3,094	550
1939[5]	[6]86	(NA)	3,468	3,190	3,083	6,017	2,415	8,143	3,045	(NA)	43	(NA)	11,231	(NA)	1,046	339
1929[7]	66	(NA)	3,567	4,139	3,173	(NA)	3,152	10,112	3,875	(NA)	28	766	14,015	(NA)	1,471	464
1919[8]	36	(NA)	3,686	3,774	3,372	(NA)	3,108	5,332	3,523	...	121	(NA)	8,976	(NA)	9 1,868	554
1909[8]	36	(NA)	5,518	2,847	5,214	(NA)	2,351	6,667	1,962	...	218	(NA)	8,847	(NA)	(NA)	(NA)
1902[10]	[6]74	(NA)	3,394	1,321	11 3,161	(NA)	1,087	2,306	631	(NA)	7	(NA)	2,944	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years represents net production and excludes this duplication.

[2] For stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work and for 1958 the cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3] Excludes data for stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4] Excludes data for sand and gravel mining operations in manufacturing establishments.

[5] Except for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing limestone at such operations was $57 thousand; this value has been included in the value of shipments and value added in mining.

[6] Represents number of mines and quarries and, for mining services industries, number of operating companies.

[7] Excludes data for common clay and shale and peat operations and for one nonproducing limestone operation. In 1939, there were 4 such clay and peat mines, with products of the 3 clay operations valued at $25 thousand.

[8] Excludes data for sand and gravel mining operations and stone quarries operated as parts of cement and lime plants. In 1929, there were 9 such sand and gravel operations, with products valued at $490 thousand, and 2 such stone quarries. See also footnote 7. Also, excludes data for nonproducing phosphate rock operations: for 1919, one mine; and for 1909, 2 mines.

[9] Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 7 percent of the total kwh equivalent of energy used.

[10] Excludes data for sand, gravel, common clay, and shale mining operations. Includes data for lime plants producing lime valued at $38 thousand.

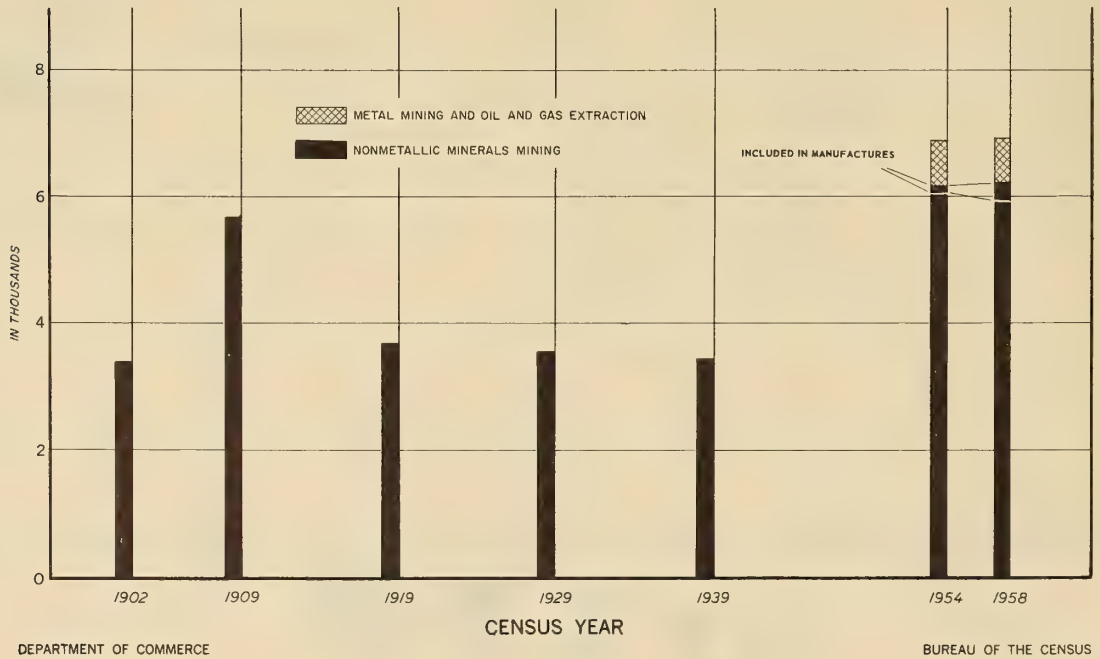
[11] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12] Excludes data for the Uranium-Radium-Vanadium Ores Industry.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

FLORIDA



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	220	72	r6,921	r30,133	5,708	12,142	23,085	87,436	[2]83,195	[3]158,950	(NA)	6,889	68,701
	Mineral industries	206	69	r6,694	r29,062	5,483	11,689	22,022	82,652	82,227	153,198	11,681	6,796	67,365
	Included in manufactures	14	3	[3]227	[3]1,071	[3]225	453	1,063	4,784	[2]968	[3]5,752	(NA)	[3]93	1,336
1311	Crude petroleum and natural gas	12	2	134	853	71	169	451	([4])	1,875	1,004	846	(NA)	(NA)
1421	Crushed and broken stone (mineral industry only)	76	30	1,789	7,571	1,514	3,422	6,036	20,673	10,964	28,444	3,193	[5]1,216	[5]11,708
	Crushed and broken limestone (mineral subindustry only)	69	27	1,675	6,989	1,415	3,154	5,566	19,446	9,898	26,249	3,095	1,119	10,469
	Crushed and broken stone, nec (mineral subindustry)	7	3	[6]114	[6]582	99	268	470	1,227	1,066	2,195	98	(NA)	(NA)
	Sand and gravel	68	12	802	3,248	711	1,609	2,640	9,435	[2]3,947	[3]12,619	(NA)	(NA)	(NA)
1441	Mineral industry	63	10	664	2,663	573	1,334	2,055	6,622	3,618	9.477	763	324	2,421
	Included in manufactures	5	2	[3]138	[3]585	[3]138	275	585	2,813	[2]329	[3]3,142	(NA)	(NA)	(NA)
	Clay and related minerals	5	2	189	566	174	324	464	1,480	561	1,899	[7]142	530	4,218
1475 and 148	Phosphate rock and Nonmetallic mineral services	37	20	3,278	14,717	2,714	5,675	11,465	47,936	60,912	104,432	4,416	4,027	46,474

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts includes the estimated value of minerals produced and used in the same establishment at such operations.
[4]Not shown since the cost of supplies, purchases for resale, minerals received for preparation, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the sum of the value of shipments and receipts and capital expenditures.
[5]Includes data for 4 quarrying operations in manufacturing establishments.
[6]Includes data for separately reported central offices and related facilities in the Crushed and Broken Granite Subindustry.
[7]Excludes data for mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	82,227	29,588	38,712	4,354	9,573	11,681	968	10,713	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	10,964	6,818	39	2,256	1,851	3,193	62	3,131	20,412	25,406	[3]1,199	658
	Crushed and broken limestone	9,898	5,878	39	2,243	1,738	3,095	62	3,033	17,890	23,413	(D)	(D)
1441	Sand and gravel	3,618	[4]2,568	([4])	523	527	763	32	731	10,701	[5]12,054	[3]3,133	([5])
1471 and 148	Phosphate rock and Nonmetallic minerals services	60,912	16,806	38,655	183	5,268	4,416	66	4,350	12,136	75,888	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Includes data for minerals produced and used in the same manufacturing establishment. For stone, the value of such stone is not included in the succeeding column.
[4]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.
[5]The value of primary products shipped in other industries is included with the value of primary products shipped in the specified industry. The combined figure shown includes the estimated value of minerals produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	200	188	34	...	23	11	143	...	134	9	11	12
	Number of employees	6,636	6,524	355	...	278	77	5,371	...	5,231	140	798	112
	Value added in mining, $1,000	82,512	83,442	4,927	...	3,556	1,371	67,049	...	65,658	1,391	11,466	(3)
1421	Crushed and broken stone:												
	Number of establishments	76	76	2	...	2	...	70	...	70	...	4	...
	Number of employees	1,789	1,789	(D)	...	(D)	...	1,669	...	1,669	...	(D)	...
	Value added in mining, $1,000	20,673	20,673	(D)	...	(D)	...	16,500	...	16,500	...	(D)	...
	Crushed and broken limestone:												
	Number of establishments	69	69	1	...	1	...	64	...	64	...	4	...
	Number of employees	1,675	1,675	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...
	Value added in mining, $1,000	19,446	19,446	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	63	63	22	...	12	10	41	...	32	9	...	...
	Number of employees	664	664	103	...	40	63	561	...	421	140	...	...
	Value added in mining, $1,000	6,622	6,622	954	...	406	548	5,668	...	4,277	1,391	...	...
1475	Phosphate rock:												
	Number of establishments	32	31	7	...	7	...	19	...	19	...	5	1
	Number of employees	(D)	(D)	(D)	...	(D)	...	2,560	...	2,560	...	673	(D)
	Value added in mining, $1,000	(D)	(D)	(D)	...	(D)	...	39,660	...	39,660	...	7,928	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 6 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	FLORIDA:													
	All mineral operations	220	72	6,890	29,948	5,708	12,142	23,085	87,436	[3]83,195	[4]158,950	(NA)	6,889	68,701
	Mineral industries	206	69	6,663	28,877	5,483	11,689	22,022	82,652	82,227	153,198	11,681	6,796	67,365
	Included in manufactures	14	3	[4]227	[4]1,071	[4]225	453	1,063	4,784	[3]968	[4]5,752	(NA)	[4]93	1,336
	COUNTIES													
14	Alachua	7	2	126	346	116	202	315	610	312	752	170	(NA)	(NA)
14	Broward (mineral industries only)	14	3	[5]182	[5]1,003	134	345	670	3,046	2,048	4,916	178	95	1,604
147	Citrus	5	...	23	60	21	35	43	203	(D)	240	(D)	125	758
	Collier	4	1	50	218	(NA)	(NA)	(NA)	(NA)	(NA)	1,469	(NA)	[6]26	(NA)
	Dade:													
	Including operations in manufactures	35	12	[4]647	[4]3,056	[4]515	1,122	2,283	(NA)	(NA)	[4]13,062	(NA)	[6]355	(NA)
	Mineral industries only	30	12	619	2,911	489	1,067	2,146	(NA)	(NA)	12,347	(NA)	(NA)	(NA)
1421	Crushed and broken stone (mineral industry only)	20	10	437	2,032	338	727	1,548	6,944	4,081	9,898	1,127	273	2,903
	Duval (including operations in manufactures)	5	1	[4]175	[4]832	[4]141	292	593	1,081	(D)	[4]1,582	(D)	(NA)	(NA)
	Escambia	6	1	79	241	(NA)	(NA)	(NA)	(NA)	(NA)	355	(NA)	[6]77	([7])
	Gadsden	7	3	216	677	(NA)	(NA)	(NA)	(NA)	(NA)	1,988	(NA)	511	3,627
142	Hernando	6	4	529	2,327	503	987	2,096	5,760	2,104	7,134	730	339	3,331
	Hillsborough (including operations in manufactures)	10	3	[4]426	[4]1,926	[4]392	887	1,728	7,500	[3]2,190	[4]9,335	[9]355	[8]263	(D)
14	Lake	5	1	38	123	35	86	116	310	114	369	55	(NA)	(NA)
	Lee	6	1	66	313	(NA)	(NA)	(NA)	(NA)	(NA)	1,085	(NA)	(NA)	(NA)
	Leon	8	...	35	180	(NA)	(NA)	(NA)	(NA)	(NA)	306	(NA)	[6]52	(NA)
142	Levy	6	1	80	216	71	119	190	581	175	731	25	76	601
14	Marion	11	3	231	877	184	413	619	1,375	769	2,009	135	164	890
142	Crushed and broken stone	5	2	117	460	77	147	237	695	(D)	1,078	(D)	(NA)	(NA)
	Palm Beach	8	...	35	139	(NA)	(NA)	(NA)	(NA)	(NA)	551	(NA)	39	359
14	Pinellas	4	...	31	105	26	33	83	339	209	389	159	(NA)	(NA)
14	Polk	30	20	2,971	13,433	2,422	5,000	10,237	44,190	59,487	99,498	4,179	3,739	43,463
1475	Phosphate rock	19	17	2,823	12,779	2,303	4,740	9,785	42,452	58,886	97,307	4,031	3,581	42,157
14	Putnam	9	2	112	404	96	216	313	886	689	1,373	202	129	654
142	Sumter	3	2	64	230	60	168	214	702	(D)	952	(D)	(NA)	(NA)
138	Walton	3	...	4	17	(NA)	(NA)	(NA)	(NA)	(NA)	98	(NA)	(NA)	(NA)
13	Undistributed	11	...	56	233	(NA)	(NA)	(NA)	(NA)	(NA)	307	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Includes data for separately reported central offices and related facilities in the Oil and Gas Extraction Industries.
[6]Excludes data for Oil and Gas Field Services Industries.
[7]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the value of shipments plus capital expenditures.
[8]Represents mineral industries only.
[9]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and liguite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Florida, total	220	206	14	...	...	...	...	...	...	...	6	...	...	12	...	1	...	2	76	5	63	5	3	2	32	5	8	...
No employees	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	2	...	...	...	2	...	...	...
1-4 employees	63	58	5	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	14	1	28	2	...	2	3	3	5	...
5-9 employees	39	35	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	14	2	11	1	...	...	5	2	3	...
10-19 employees	39	37	2	...	...	...	...	...	...	...	1	...	...	4	...	...	...	1	17	1	12	...	1	...	2	...	...	...
20-49 employees	39	37	2	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...	23	1	9	1	1	...	1	...	...	...
50-99 employees	13	12	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	5	...	1	1	...	...	5	...	...	...
100-249 employees	18	18	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	2	...	...	...	1	...	12	...	...	...
250-499 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
500-999 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
COUNTIES																												
Alachua:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	1	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Baker:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bay:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Brevard:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Broward:																												
0-19 employees	11	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	3	...	...	...	...	...	...	...
20-99 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...	...	...
Charlotte:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Citrus:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Clay:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Collier:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Dade:																												
0-19 employees	23	18	5	...	...	...	...	...	...	1	...	...	...	1	...	...	...	2	10	2	6	...	...	1	...	...	...	...
20-99 employees	12	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	2	...	...	...	...	...	...	...
Dixie:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Duval:																												
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Escambia:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Flagler:																												
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Franklin:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Con.																												
Gadsden:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	...	1	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Glades:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Hendry:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Hernando:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Hillsborough:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	1	...	...	3	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Holmes:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Indian River:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lafayette:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Lake:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lee:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Leon:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	3	...	...	...	...	...	...	...
Levy:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Manatee:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marion:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	4	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...
Monroe:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Orange:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Palm Beach:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	4	...	...	...	...	...	1	...
Pasco:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Pinellas:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
Polk:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	2	2	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	4	...	...	...
100-249 employees.	11	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Con.																											
Putnam:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	2	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
St. Johns:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
St. Lucie:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Santa Rosa:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Sarasota:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sumter:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Suwannee:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Taylor:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Volusia:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Wakulla:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Walton:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Offshore:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

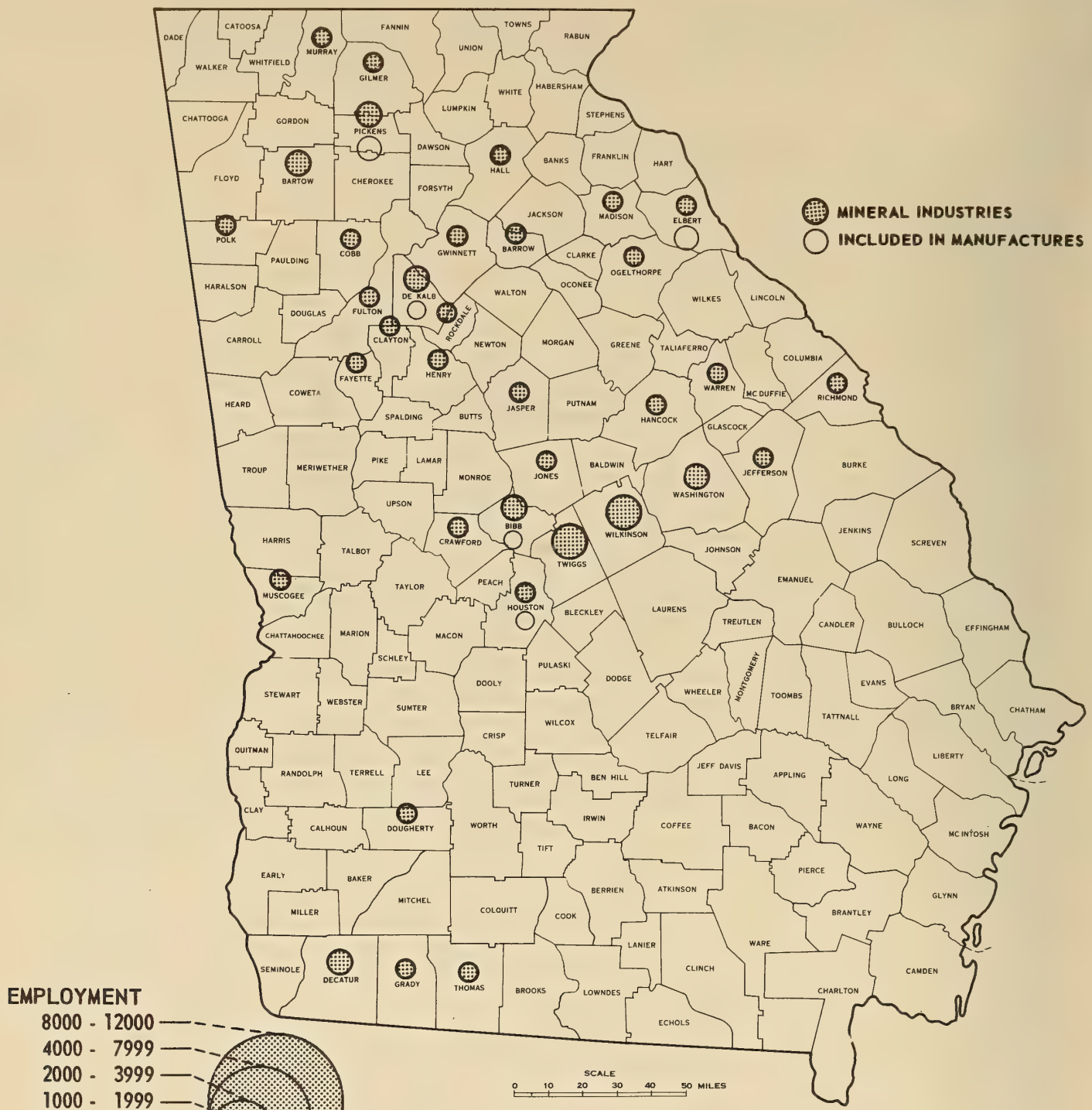
GEORGIA

8-1

EMPLOYMENT IN MINING BY COUNTY: 1958

GEORGIA

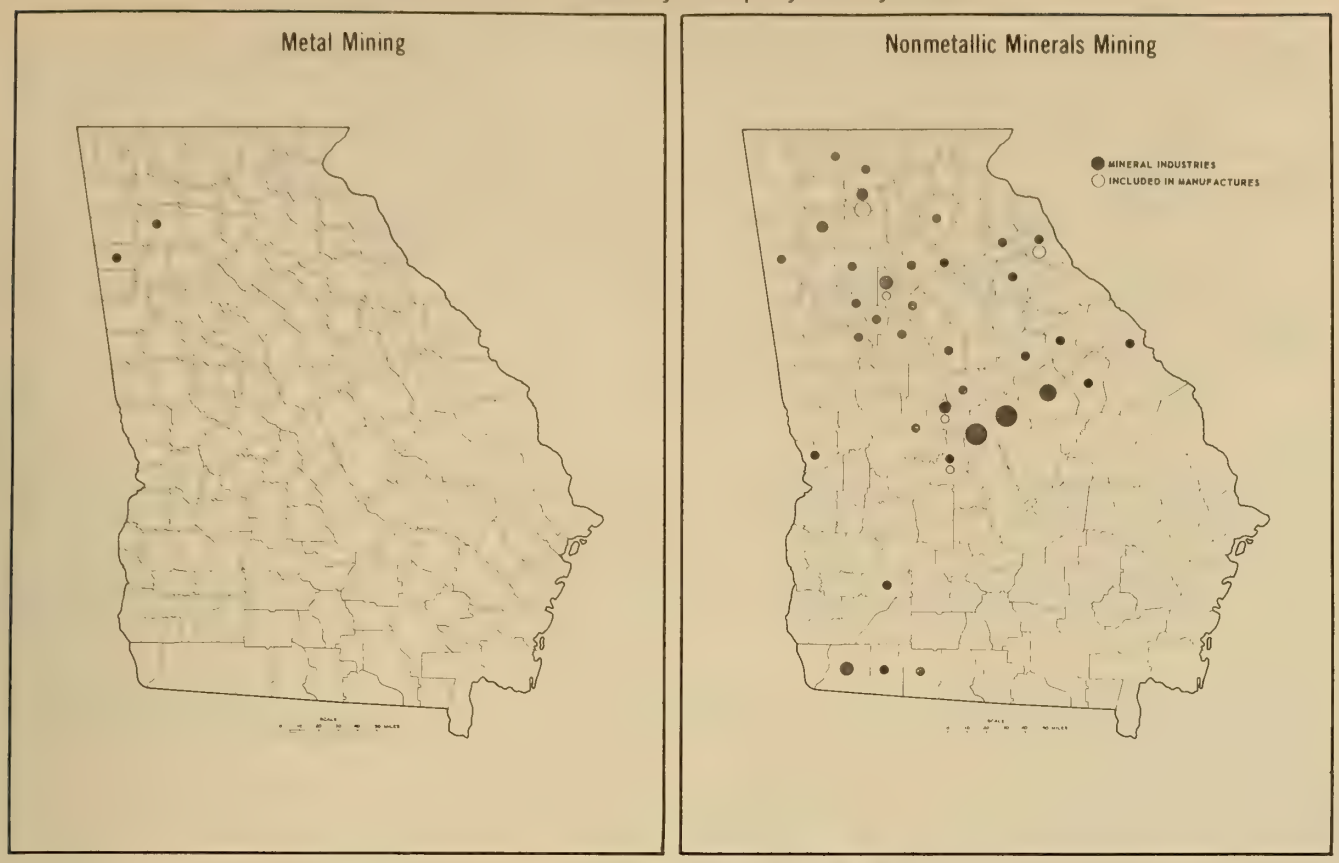
RANK AMONG STATES
EMPLOYMENT -28
VALUE OF SHIPMENTS -29



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN GEORGIA

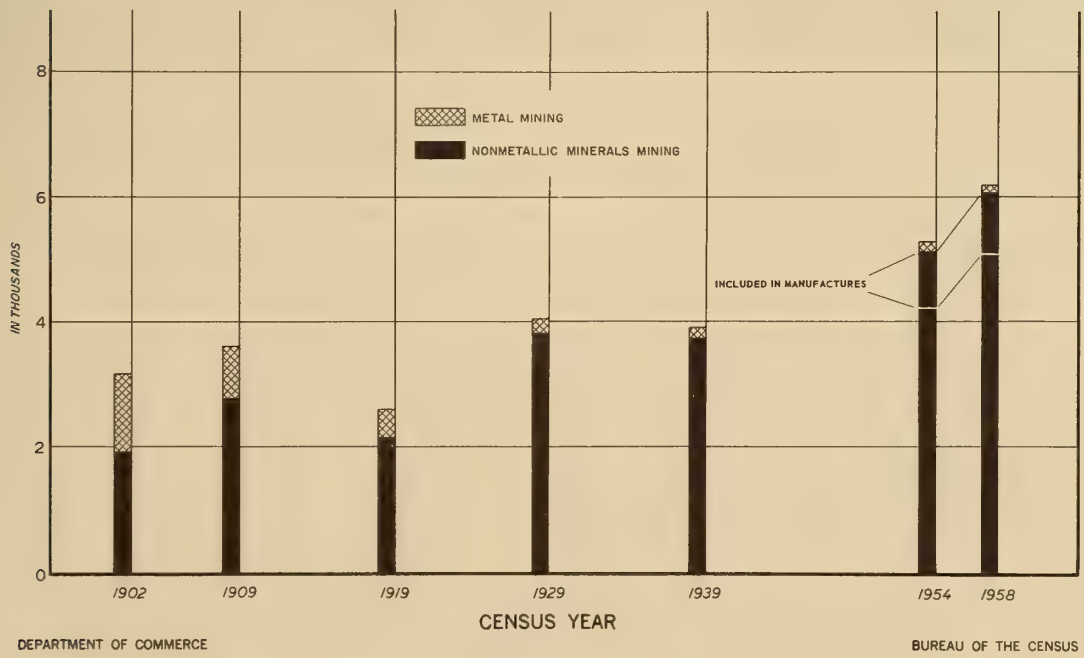
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

GEORGIA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	173	58	5,201	19,575	4,500	9,669	15,591	52,022	21,546	879	1,128	6,996	74,746	7,825	r1,880	r418
1954	192	47	4,354	13,297	3,928	8,783	10,957	32,724	11,167	613	1,297	4,192	43,439	6,554	1,317	335
Including operations in manufactures:																
1958	202	70	6,182	22,737	5,393	11,378	18,273	58,048	[2]23,322	[2]879	[2]1,151	[3]7,278	82,545	[3]8,133	r[3]1,905	r353
1954[4]	220	58	5,286	15,742	4,782	10,490	13,016	37,326	[2]12,160	647	[2]1,311	[3]4,309	49,066	[3]6,687	[3]1,339	280
1939[5]	[6]110	(NA)	3,906	2,808	3,674	7,440	2,279	5,864	2,204	(NA)	130	(NA)	8,198	(NA)	770	210
1929[7]	82	(NA)	4,026	3,647	3,752	(NA)	2,969	7,473	1,792	(NA)	346	188	9,611	(NA)	952	254
1919[8]	74	(NA)	2,575	2,372	2,397	(NA)	2,017	3,082	947	18	35	(NA)	4,082	(NA)	[9]464	194
1909[8]	94	(NA)	3,606	1,468	3,411	(NA)	1,278	2,472	401	...	2	(NA)	2,875	(NA)	(NA)	(NA)
1902[10]	[6]158	(NA)	3,171	1,319	[11]2,860	(NA)	1,101	2,421	573	(NA)	123	(NA)	3,117	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. Also for 1958, the cost of minerals received for preparation at dimension stone operations in manufacturing industries is included with supplies.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Excludes data for dimension stone dressing plants operated in conjunction with quarries and for one nonproducing bauxite mine.

[6]Represents number of mines and quarries and, for mining services industries, number of operating companies.

[7]Excludes data for common clay and shale mining operations. In 1939, there were 11 such mines with products valued at $168 thousand.

[8]Excludes data for common sand and gravel mining operations, limestone quarries operated as parts of cement and lime plants, and for nonproducing establishments. In 1929, there were 5 such sand and gravel establishments with products valued at $172 thousand, and 3 such limestone quarries. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand, gravel, common clay, and shale mining operations. Includes data for 2 cement plants and for lime plants producing lime valued at $72 thousand.

[11]Figures for average employment were reduced to a 300-day basis for establishments which operated for a shorter period.

rRevised.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	202	70	6,182	22,737	5,393	11,378	18,273	58,048	[2]32,630	[3]82,545	[4]8,133	5,286	37,326
	Mineral industries	173	58	5,201	19,575	4,500	9,669	15,591	52,022	30,549	74,746	7,825	4,354	32,724
	Included in manufactures	29	12	[3]981	[3]3,162	[3]893	1,709	2,682	6,026	[2]2,081	[3]7,799	[4]308	[3]932	4,602
10 & 13	Metal mining and Oil and gas extraction	23	...	94	268	80	110	224	812	949	1.590	171	167	835
12	Bituminous coal mining	5	...	14	35	13	19	34	48	7	53	2	9	33
	Nonmetallic minerals mining	174	70	6,074	22,434	5,300	11,249	18,015	57,188	[2]31,674	[3]80,902	[4]7,960	5,110	36,458
14	Mineral industries	145	58	5,093	19,272	4,407	9,540	15,333	51,162	29,593	73,103	7,652	4,178	31,856
	Included in manufactures	29	12	[3]981	[3]3,162	[3]893	1,709	2,682	6,026	[2]2,081	[3]7,799	[4]308	[3]932	4,602
	Dimension stone	34	15	1,106	3,269	1,002	1,855	2,749	4,751	2,270	6,665	356	1,071	4,516
1411	Mineral industry	23	4	266	664	250	429	624	1,147	611	1,710	48	366	1,630
	Included in manufactures	11	11	840	2,605	752	1,426	2,125	3,604	1,659	4,955	308	705	2,886
	Dimension granite	28	14	636	1,880	579	998	1,577	2,868	1,588	4,299	157	687	2,940
1421	Crushed and broken stone (mineral industry only)	31	25	1,424	5,233	1,238	2,884	4,181	17,898	11,784	26,392	3,290	1,063	9,530
	Crushed and broken limestone (mineral subindustry only)	7	5	193	729	173	404	581	2,435	1,999	4,093	341	(NA)	(NA)
	Crushed and broken granite (mineral subindustry)	18	14	778	2,759	663	1,473	2,146	9,009	5,663	12,880	1,792	507	4,201
	Crushed and broken stone, nec (mineral subindustry only)	6	6	453	1,745	402	1,007	1,454	6,454	4,122	9,419	1,157	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	42	7	463	1,612	436	858	1,485	3,776	1,844	5,258	362	322	2,179
	Clay and related minerals	42	19	2,764	11,283	2,336	4,993	8,711	27,824	[2]14,461	[3]38,646	[4]3,639	2,262	18,030
145	Mineral industries	29	19	2,672	10,933	2,244	4,810	8,361	26,149	14,190	36,700	3,639	2,161	16,933
	Included in manufactures	13	...	[3]92	[3]350	[3]92	183	350	1,675	[2]271	[3]1,946	(NA)	[3]101	1,097
1455	Kaolin and ball clay	18	12	2,157	8,970	1,822	3,854	6,914	20,963	11,201	29,081	3,083	2,057	16,486
	Clay and related minerals, nec.	14	1	[3]142	[3]564	[3]135	278	517	2,011	[2]476	[3]2,460	[4]27	[3]240	(NA)
	Miscellaneous minerals, nec:													
1496	Talc, soapstone, pyrophyllite	3	1	100	226	85	166	169	310	186	462	34	(NA)	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	30,549	21,546	879	1,128	6,996	7,825	356	7,469	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	29,593	[3]21,916	([3])	784	6,893	7,652	265	7,387	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	11,784	7,105	517	37	4,125	3,290	3	3,287	[4]12,453	25,042	([4])	76
	Crushed and broken granite...	5,663	2,802	...	26	2,835	1,792	...	1,792	8,399	12,880	46	81
	Crushed and broken stone, nec	4,122	3,150	...	8	964	1,157	...	1,157	2,267	7,886	17	419
1441	Sand and gravel.....	1,844	1,555	...	57	232	362	34	328	4,917	[4]5,153	189	([4])
145	Clay and related minerals.....	14,190	11,308	...	498	2,384	3,639	193	3,446	xxx	xxx	xxx	xxx
1455	Kaolin and ball clay.....	11,201	[3]8,760	([3])	286	2,155	3,083	191	2,892	1,678	28,743	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Cost of minerals received for preparation is included with cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Figures for primary products shipped in other industries are included with those for primary products shipped in the specified industry. For crushed and broken stone includes stone produced and used in the same manufacturing establishment in making manufactured products.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	170	165	70	7	56	7	94	4	82	8	1	5
	Number of employees	5,186	5,181	(D)	(D)	372	19	4,740	285	4,371	84	(D)	5
	Value added in mining, $1,000	51,908	52,139	(D)	(D)	2,908	204	48,778	3,681	44,368	729	(D)	(3)
14	Nonmetallic minerals mining:												
	Number of establishments	143	140	56	2	47	7	84	4	72	8	...	3
	Number of employees	[4]5,093	5,089	412	(D)	(D)	19	4,677	285	4,308	84	...	4
	Value added in mining, $1,000	[4]51,162	51,257	3,162	(D)	(D)	204	48,095	3,681	43,685	729	...	(3)
1421	Crushed and broken stone:												
	Number of establishments	31	31	1	...	1	...	30	2	28	...	...	...
	Number of employees	1,424	1,424	(D)	...	(D)	...	(D)	(D)	1,144	...	...	...
	Value added in mining, $1,000	17,898	17,898	(D)	...	(D)	...	(D)	(D)	14,204	...	...	...
	Crushed and broken granite:												
	Number of establishments	18	18	...	...	...	...	18	...	18	...	...	...
	Number of employees	778	778	...	...	...	...	778	...	778	...	...	...
	Value added in mining, $1,000	9,009	9,009	...	...	...	...	9,009	...	9,009	...	...	...
	Crushed and broken stone, nec:												
	Number of establishments	6	6	...	...	...	...	6	2	4	...	...	...
	Number of employees	453	453	...	...	...	...	453	(D)	(D)	...	...	...
	Value added in mining, $1,000	6,454	6,454	...	...	...	...	6,454	(D)	(D)	...	...	...
1441	Sand and gravel:												
	Number of establishments	42	42	17	...	10	7	25	...	17	8	...	...
	Number of employees	463	463	53	...	34	19	410	...	326	84	...	...
	Value added in mining, $1,000	3,776	3,776	390	...	186	204	3,386	...	2,657	729	...	...
145	Clay and related minerals:												
	Number of establishments	29	28	7	...	7	...	21	...	21	...	...	1
	Number of employees	2,672	(D)	(D)	...	(D)	...	2,631	...	2,631	...	...	(D)
	Value added in mining, $1,000	26,149	(D)	(D)	...	(D)	...	24,919	...	24,919	...	...	(D)
1455	Kaolin and ball clay:												
	Number of establishments	18	18	4	...	4	...	14	...	14	...	...	...
	Number of employees	2,157	2,157	18	...	18	...	2,139	...	2,139	...	...	...
	Value added in mining, $1,000	20,963	20,963	714	...	714	...	20,249	...	20,249	...	...	...

D Withheld to avoid disclosing data for individual companies. [r]Revised.

[1]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.

[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

[4]Includes data for mining services operations.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	GEORGIA:													
	All mineral operations	202	70	6,182	22,737	5,393	11,378	18,273	58,048	[3]32,630	[4]82,545	[5]8,133	5,286	37,326
	Mineral industries	173	58	5,201	19,575	4,500	9,669	15,591	52,022	30,549	74,746	7,825	4,354	32,724
	Included in manufactures	29	12	[4]981	[4]3,162	[4]893	1,709	2,682	6,026	[3]2,081	[4]7,799	[5]308	[4]932	4,602
	COUNTIES													
	Baldwin (including operations in manufactures)	3	...	[4]12	[4]42	[4]11	21	34	290	[3]38	[4]328	(NA)	(NA)	(NA)
	Bartow	8	3	218	908	189	423	704	3,118	2,277	5,160	235	248	2,328
14	Bibb (mineral industries only)	7	4	245	699	219	414	622	1,837	1,216	2,117	936	10	102
14	De Kalb (mineral industries only)	8	3	324	1,281	282	572	999	3,198	(D)	4,307	(D)	[6]414	[6]3,035
14	Dougherty	6	1	50	135	47	40	123	263	101	294	70	[7]20	[7]83
	Elbert, total	18	8	353	1,141	318	562	931	1,758	1,046	2,653	151	321	1,569
14	Mineral industries	11	1	102	259	96	166	245	543	289	754	78	187	1,040
	Included in manufactures	7	7	251	882	222	396	686	1,215	757	1,899	73	134	529
	Fulton (including operations in manufactures)	8	2	[4]90	[4]419	[4]79	211	370	1,960	(D)	[4]2,215	(D)	[4]43	311
149	Hart	3	...	18	54	17	33	41	141	(D)	217	(D)	(NA)	(NA)
14	Murray	3	1	90	202	77	159	165	276	175	413	38	97	384
14	Muscogee	4	2	85	265	73	143	217	430	809	979	260	96	738
141	Oglethorpe	5	2	74	203	69	116	185	319	(D)	451	(D)	[8]62	[8]246
	Polk (mineral industries only)	6	1	99	332	84	154	258	789	374	1,055	108	61	364
	Richmond (including operations in manufactures)	6	2	[4]168	[4]611	[4]161	380	580	1,921	[3]1,720	[4]2,889	[5]752	[4]170	1,488
	Stewart	8	...	19	84	17	21	73	423	304	670	57	(NA)	(NA)
12	Walker (Bituminous coal mining only)	5	...	14	35	13	19	34	48	7	53	2	9	33
145	Washington	8	5	404	1,547	361	775	1,323	4,019	2,204	5,181	1,042	383	2,353
145	Wilkinson	6	3	817	3,411	664	1,365	2,450	9,477	3,771	12,374	874	859	6,605

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Includes data for mining operations in manufacturing establishments.
[7]Represents the Sand and Gravel Industry only.
[8]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Georgia, total.....	202	173	29	10	...	...	...	9	1	1	...	5	...	2	...	...	23	11	31	4	42	1	29	13	4	2	14	...
No employees.....	14	14	...	2	...	...	...	3	1	...	...	...	...	1	...	...	...	...	...	...	2	...	1	...	...	...	4	...
1-4 employees.....	60	53	7	4	...	...	...	5	...	1	...	4	...	1	...	...	7	...	...	2	20	1	4	4	2	1	4	...
5-9 employees.....	28	22	6	...	...	...	...	...	...	...	...	1	...	...	...	...	7	...	...	...	10	...	1	6	...	1	2	...
10-19 employees...	30	26	4	4	...	...	...	1	...	...	...	...	...	...	...	...	5	...	6	1	3	...	4	3	...	...	3	...
20-49 employees...	42	33	9	...	...	...	...	...	...	...	...	...	...	...	...	...	3	8	15	1	5	...	9	...	1	...	...	...
50-99 employees...	15	13	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	6	...	1	...	3	...	1	...	1	...
100-249 employees.	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	2	...	...	...	...	...
250-499 employees.	r6	r5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	r5	...	...	...	...	...
COUNTIES																												
Baldwin:																												
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...
Barrow:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Bartow:																												
0-19 employees....	5	5	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...
Bibb:																												
0-19 employees....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	2	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Brooks:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Bryan:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Camden:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Chatham:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
Cherokee:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Clayton:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cobb:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Colquitt:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Crawford:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Dade:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Decatur:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
De Kalb:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2

rRevised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
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COUNTIES—Continued																											
Dougherty:																											
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Douglas:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Effingham:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Elbert:																											
0-19 employees	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	1	...	1	...	...	...	...	...	...
20-99 employees	8	1	7	...	...	...	...	...	...	...	...	...	...	...	...	...	1	7	...	...	...	...	...	...	...	...	...
Fayette:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Floyd:																											
0-19 employees	4	4	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Franklin:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Fulton:																											
0-19 employees	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	2	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Gilmer:																											
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Glynn:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Gordon:																											
0-19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Grady:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Gwinnett:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hall:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hancock:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hart:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Henry:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Houston:																											
0-19 employees	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
20-99 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Jasper:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Jefferson:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Jones:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Liberty:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Long:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Lowndes:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Lumpkin:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
McIntosh:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Macon:																											
0-19 employees	3	3	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madison:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Mitchell:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Montgomery:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Murray:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Muscogee:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Oconee:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oglethorpe:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Pickens:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	2	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Polk:																											
0-19 employees....	8	5	3	3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	2	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Rabun:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Richmond:																											
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Rockdale:																											
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Screven:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Stewart:																											
0-19 employees....	8	8	...	4	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Sumter:																											
0-19 employees....	4	4	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Talbot:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Taylor:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Thomas:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Tift:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Twiggs:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Union:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Upson:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Walker:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	5	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Ware:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Warren:																											
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Washington:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...

[1]See table 3, footnote 2

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

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COUNTIES—Continued																												
Wayne:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Webster:																												
0-19 employees....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wheeler:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Whitfield:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Wilkinson:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...

[1]See table 3, footnote 2

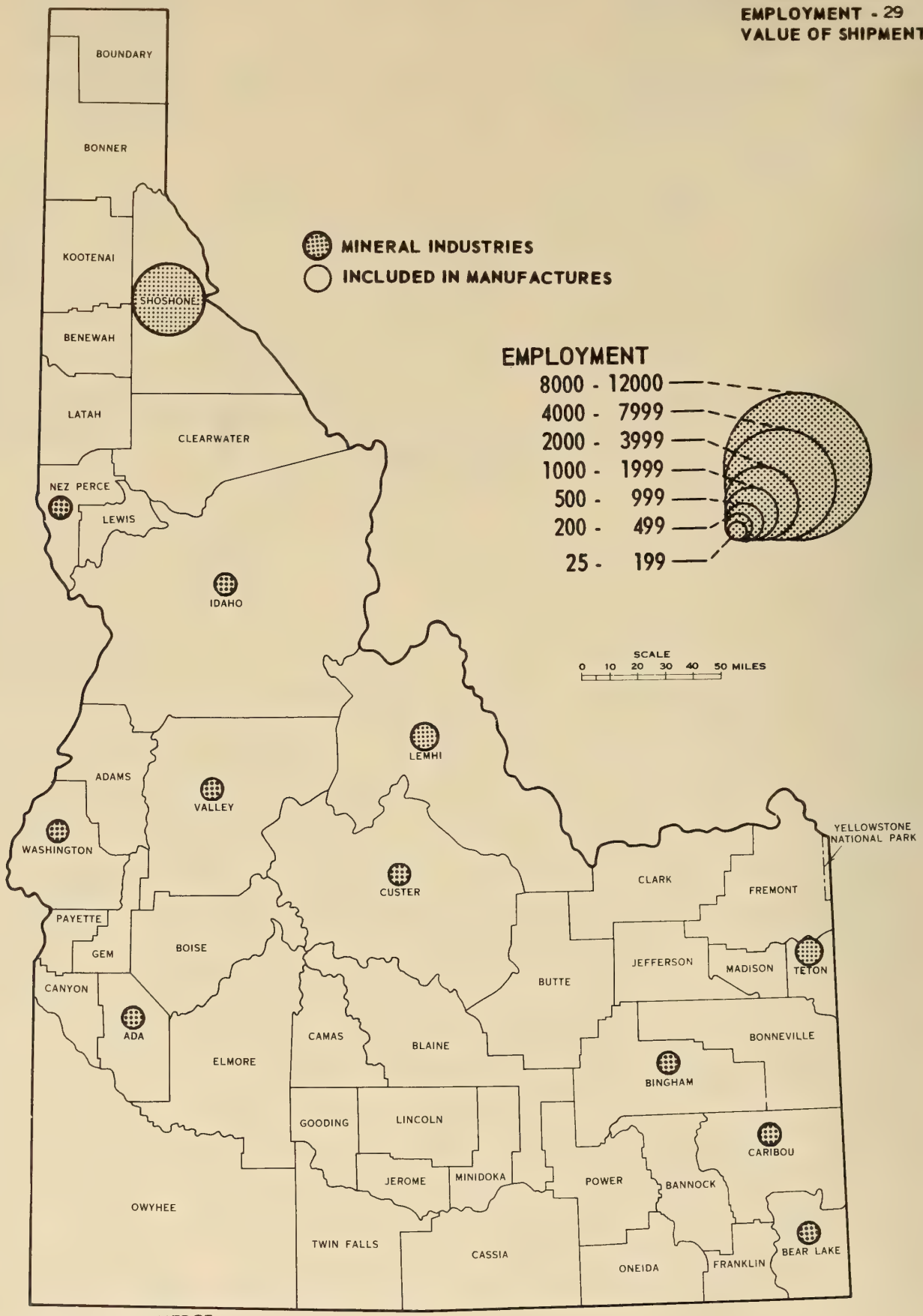
IDAHO

9-1

EMPLOYMENT IN MINING BY COUNTY: 1958

IDAHO

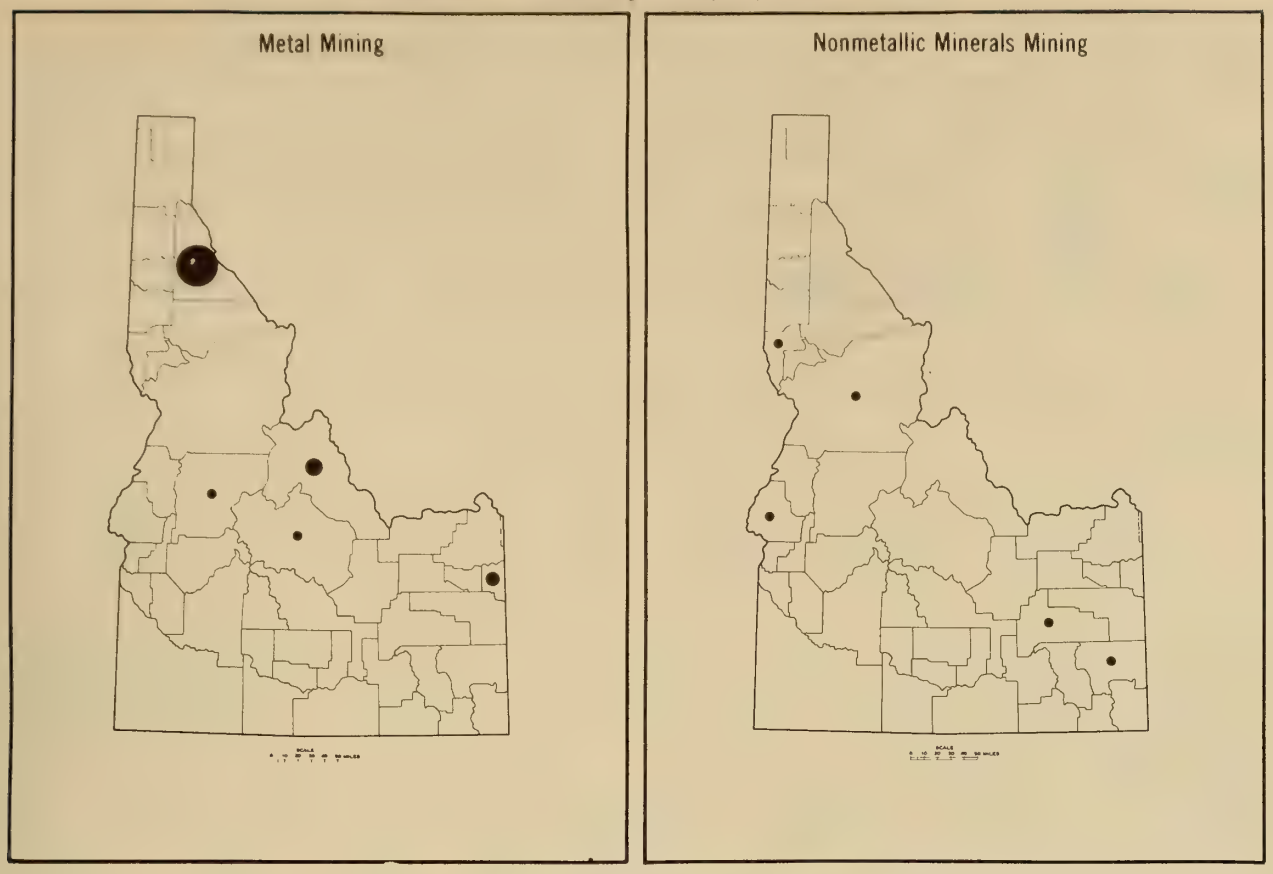
RANK AMONG STATES
EMPLOYMENT - 29
VALUE OF SHIPMENTS - 32



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN IDAHO

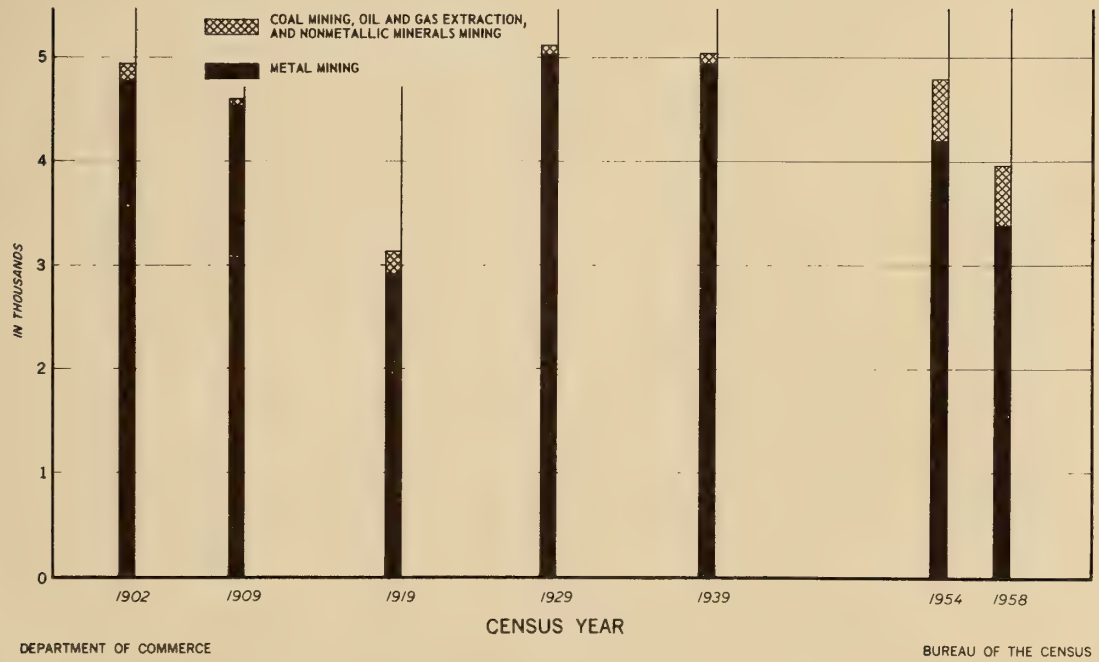
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

IDAHO



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	170	22	3,932	20,886	3,305	6,344	16,366	36,815	11,392	2,147	3,446	1,195	52,084	2,911	r580	r175
1954	249	28	4,767	22,358	4,121	8,622	18,664	r[2]38,558	11,477	2,672	1,787	3,254	[2]51,883	5,820	527	128
Including operations in manufactures:																
1958	183	22	3,979	21,085	3,352	6,436	16,565	38,427	[3]11,538	[4]2,147	[3]3,446	[4]1,195	53,842	[4]2,911	r[4]580	r173
1954[5]	257	28	4,781	22,405	4,135	8,651	18,711	r[2]38,737	[3]11,498	[4]2,672	[3]1,787	[4]3,256	[2]52,083	[4]5,822	[4]527	127
1939	[6]116	(NA)	5,049	8,146	4,654	9,753	7,086	18,952	4,335	(NA)	102	(NA)	23,389	(NA)	233	50
1929	153	(NA)	5,114	9,055	4,777	(NA)	8,254	15,593	4,847	(NA)	306	1,014	20,746	(NA)	300	63
1919[7]	132	(NA)	3,123	5,385	2,828	(NA)	4,735	8,654	2,970	...	216	(NA)	11,840	(NA)	[8]181	64
1909[7]	890	(NA)	4,599	5,889	4,324	(NA)	5,348	5,533	2,796	...	320	(NA)	8,649	(NA)	(NA)	(NA)
1902[7]	[6]617	(NA)	4,949	5,542	[9]4,415	(NA)	4,801	5,982	2,031	(NA)	202	(NA)	8,215	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of "Minerals received for preparation." For all other years the figures represent net production (or net shipments for copper, lead, zinc, gold, and silver ores) and exclude this duplication.

[2] Excludes data for the Uranium-Radium-Vanadium Ores Industry. No data were obtained for 1954 on the value of shipments and cost of ores received for milling by this industry.

[3] For crushed and broken stone, sand and gravel, and clay mining operations (and for 1958, dimension stone quarries) in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5] Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[6] Represents number of mines and quarries and, for mining services industries, number of operating companies.

[7] Excludes data for sand and gravel operations, and, for 1919 and 1909, any stone quarries in cement and lime establishments. Only one sand and gravel operation was reported for 1929, and no such stone quarries.

[8] Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 40 percent of the total kwh equivalent of energy used.

[9] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	183	22	3,979	21,085	3,352	6,436	16,565	38,427	[2]18,326	[3]53,842	[4]2,911	4,781	[r5]38,737
	Mineral industries	170	22	3,932	20,886	3,305	6,344	16,366	36,815	18,180	52,084	2,911	4,767	[r5]38,558
	Included in manufactures	13	...	[3]47	[3]199	[3]47	92	199	1,612	[2]146	[3]1,758	(NA)	[3]14	179
10	Metal mining	111	16	3,372	18,225	2,840	5,517	14,323	30,255	14,104	41,779	2,580	4,190	[5]32,446
1031	Lead and zinc ores	42	8	1,946	10,243	1,578	2,846	7,384	11,701	6,785	17,638	848	2,522	18,162
104	Gold and silver ores	44	5	907	5,182	819	1,679	4,608	9,606	3,203	11,975	834	1,129	9,186
1044	Silver ores	14	5	878	5,094	793	1,634	4,529	9,588	3,032	11,915	705	1,060	8,816
109	Miscellaneous metal ores	10	1	81	415	56	124	276	727	462	925	264	(NA)	(NA)
	Bituminous coal mining, Oil and gas extraction, and Nonmetallic minerals mining	72	6	607	2,860	512	919	2,242	8,172	[2]4,222	[3]12,063	[4]331	591	6,246
12 13 14	Mineral industries	59	6	560	2,661	465	827	2,043	6,560	4,076	10,305	331	577	6,067
	Included in manufactures	13	...	[3]47	[3]199	[3]47	92	199	1,612	[2]146	[3]1,758	(NA)	[3]14	179
1421	Crushed and broken stone (mineral industry only)	11	1	85	411	77	124	364	705	536	1,135	106	(NA)	(NA)
	Sand and gravel	34	1	212	854	192	348	780	3,102	[2]1,079	[3]4,064	(NA)	(NA)	(NA)
1441	Mineral industry	25	1	178	705	158	280	631	1,760	954	2,597	117	195	1,868
	Included in manufactures	9	...	[3]34	[3]149	[3]34	68	149	1,342	[2]125	[3]1,467	(NA)	(NA)	(NA)
147	Chemical and fertilizer minerals:													
1475	Phosphate rock	4	3	181	1,036	136	293	733	2,799	2,120	4,856	63	(NA)	(NA)

NA Not available. [r]Revised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry. No data were obtained for 1954 on the value of shipments and cost of ores received for milling by this industry.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	18,180	11,392	2,147	3,446	1,195	2,911	1,358	1,553	xxx	xxx	xxx	xxx
10	Metal mining	14,104	9,221	2,147	1,865	871	2,580	1,300	1,280	xxx	xxx	xxx	xxx
1031	Lead and zinc ores	6,785	[3]6,510	([3])	77	198	848	587	261	[4]873	[5]15,607	(NA)	([5])
104	Gold and silver ores	3,203	2,751	...	143	309	834	328	506	xxx	xxx	xxx	xxx
1044	Silver ores	3,032	2,673	...	102	257	705	304	401	[4]440	[5]11,681	(NA)	([5])
12, 13, 14	Bituminous coal mining, Oil and gas extraction, and Nonmetallic minerals mining	4,076	2,171	...	1,581	324	331	58	273	xxx	xxx	xxx	xxx
147	Chemical & fertilizer minerals:												
1475	Phosphate rock	2,120	854	...	1,225	41	63	44	19	[6]1,250	(NA)	(NA)	(NA)

NA Not available.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for cost of minerals received for preparation are included with those for cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents crude ore mined, hence, is not directly comparable with the value of net shipments of ores and concentrates shown in the succeeding column.

[5]Figures for primary products shipped in other industries are included with those for primary products shipped in the specified industry.

[6]Represents thousands of long tons.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	166	113	44	15	24	5	68	20	45	3	1	53
	Number of employees	[3]3,932	[3]3,789	(D)	136	46	(D)	3,478	2,639	452	387	(D)	143
	Value added in mining, $1,000	[3]36,815	[3]37,026	(D)	1,814	583	(D)	32,329	19,662	6,682	5,985	(D)	[4]
10	Metal mining:												
	Number of establishments	111	63	27	15	11	1	35	20	13	2	1	48
	Number of employees	[3]3,372	[3]3,251	(D)	136	11	(D)	(D)	2,639	91	(D)	(D)	121
	Value added in mining, $1,000	[3]30,255	[3]30,388	(D)	1,814	217	(D)	(D)	19,662	2,002	(D)	(D)	[4]
1031	Lead and zinc ores:												
	Number of establishments	42	26	12	9	2	1	14	14	...	...	...	16
	Number of employees	1,946	1,921	129	129	(D)	(D)	1,792	1,792	...	...	...	25
	Value added in mining, $1,000	11,701	11,794	1,793	1,775	(D)	(D)	10,001	10,001	...	...	...	[4]
104	Gold and silver ores:												
	Number of establishments	44	24	9	4	5	...	15	4	10	1	...	20
	Number of employees	907	840	8	(D)	(D)	...	832	(D)	...	(D)	...	67
	Value added in mining, $1,000	9,606	9,707	113	(D)	(D)	...	9,594	(D)	41	(D)	...	[4]
1044	Silver ores:												
	Number of establishments	14	9	5	3	2	...	4	3	...	1	...	5
	Number of employees	878	836	8	(D)	(D)	...	828	(D)	...	(D)	...	42
	Value added in mining, $1,000	9,588	9,661	104	(D)	(D)	...	9,557	(D)	...	(D)	...	[4]
12 13 14	Bituminous coal, Oil and gas extraction, and Nonmetallic minerals mining:												
	Number of establishments	55	50	17	...	13	4	33	...	32	1	...	5
	Number of employees	[3]560	[3]538	(D)	...	35	(D)	(D)	...	361	(D)	...	22
	Value added in mining, $1,000	[3]6,560	[3]6,638	(D)	...	366	(D)	(D)	...	4,680	(D)	...	[4]
1475	Phosphate rock:												
	Number of establishments	4	4	...	...	...	...	4	...	4	...	...	...
	Number of employees	181	181	...	...	...	...	181	...	181	...	...	...
	Value added in mining, $1,000	2,799	2,799	...	...	...	...	2,799	...	2,799	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for 4 sand and gravel establishments for which the method of mining was not specified.
[2] Includes data for one sand and gravel establishment for which the method of mining was not specified.
[3] Includes data for service establishments, in part, classified in other States.
[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	IDAHO:													
	All mineral operations	183	22	3,979	21,085	3,352	6,436	16,565	38,427	[2]18,326	[3]53,842	[4]2,911	4,781	[r5]38,737
	Mineral industries	170	22	3,932	20,886	3,305	6,344	16,366	36,815	18,180	52,084	2,911	4,767	[r5]38,558
	Included in manufactures	13	...	[3]47	[3]199	[3]47	92	199	1,612	[2]146	[3]1,758	(NA)	[3,6]14	[6]179
	COUNTIES													
	Ada (mineral industries only)	7	...	27	120	22	42	107	121	214	309	26	(NA)	(NA)
	Bannock (mineral industries only)	6	...	17	72	15	25	56	137	60	184	13	21	199
	Blaine	6	...	20	89	18	36	75	201	92	139	154	(NA)	(NA)
14	Bonneville (mineral industries only)	7	...	19	95	18	35	92	391	179	526	44	29	276
	Idaho (mineral industries only)	12	...	34	174	20	40	85	157	121	240	38	39	345
10	Shoshone	40	11	2,501	13,800	2,073	3,916	10,515	19,267	8,458	26,898	827	2,917	23,015
103	Lead and zinc ores	26	7	1,649	8,876	1,314	2,361	6,188	10,019	5,960	15,320	659	1,829	14,307
104	Gold and silver ores	10	4	833	4,821	754	1,545	4,305	9,224	2,457	11,516	165	953	8,673

NA Not available. [r]Revised.

[1]Companies operating oil and gas field properties were required to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field and other mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and receipts for services by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]See table 2A, footnote 3.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]Excludes data for sand mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Idaho, total.....	183	170	13	2	8	42	44	...	5	...	10	1	...	2	...	2	2	1	11	1	25	9	...	2	5	2	9	...
No employees.....	39	39	...	...	6	10	18	...	...	...	...	1	...	1	...	...	...	...	2	...	...	...	...	...	...	...	1	...
1-4 employees.....	89	79	10	2	1	18	19	...	3	...	6	...	...	...	...	2	2	1	5	...	13	7	...	2	1	...	7	...
5-9 employees.....	20	18	2	...	1	2	1	...	...	...	1	...	...	...	...	...	...	...	1	1	10	1	...	...	1	...	1	...
10-19 employees...	13	12	1	...	...	4	1	...	...	...	2	...	...	1	...	...	...	...	2	...	1	1	...	...	...	1	...	...
20-49 employees...	9	9	...	...	...	3	2	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	...	...
50-99 employees...	7	7	...	...	...	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...
100-249 employees.	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250-499 employees.	3	3	...	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	2	2	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Ada:																												
0-19 employees....	9	7	2	...	1	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	3	2	...	...	...	...	...	...
Adams:																												
0-19 employees....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bannock:																												
0-19 employees....	8	6	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	1	2	1	...	...	...	...	1	...
Bear Lake:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...	1	...	...	...
Benewah:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Bingham:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Blaine:																												
0-19 employees....	6	6	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Boise:																												
0-19 employees....	7	7	...	...	...	1	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bonner:																												
0-19 employees....	6	6	...	...	...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bonneville:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	1	...	...	3	...
Boundary:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Butte:																												
0-19 employees....	2	2	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Canyon:																												
0-19 employees....	4	3	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
Caribou:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...
Cassia:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
Clearwater:																												
0-19 employees....	2	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Custer:																												
0-19 employees....	5	5	...	...	...	3	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elmore:																												
0-19 employees....	5	5	...	...	...	...	4	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Gem:																												
0-19 employees....	3	3	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Gooding:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Idaho:																												
0-19 employees....	13	12	1	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	4	...	...	1	...	...	...	...	...	...
Jerome:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Kootenai:																												
0-19 employees....	5	4	1	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Latah:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Lemhi:																												
0-19 employees....	10	10	...	...	3	3	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lewis:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Madison:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Minidoka:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Nez Perce:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Owyhee:																												
0-19 employees....	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Payette:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Power:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Shoshone:																												
0-19 employees....	29	29	...	...	1	19	6	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Teton:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Twin Falls:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Valley:																												
0-19 employees....	4	4	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	5	5	...	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

ILLINOIS

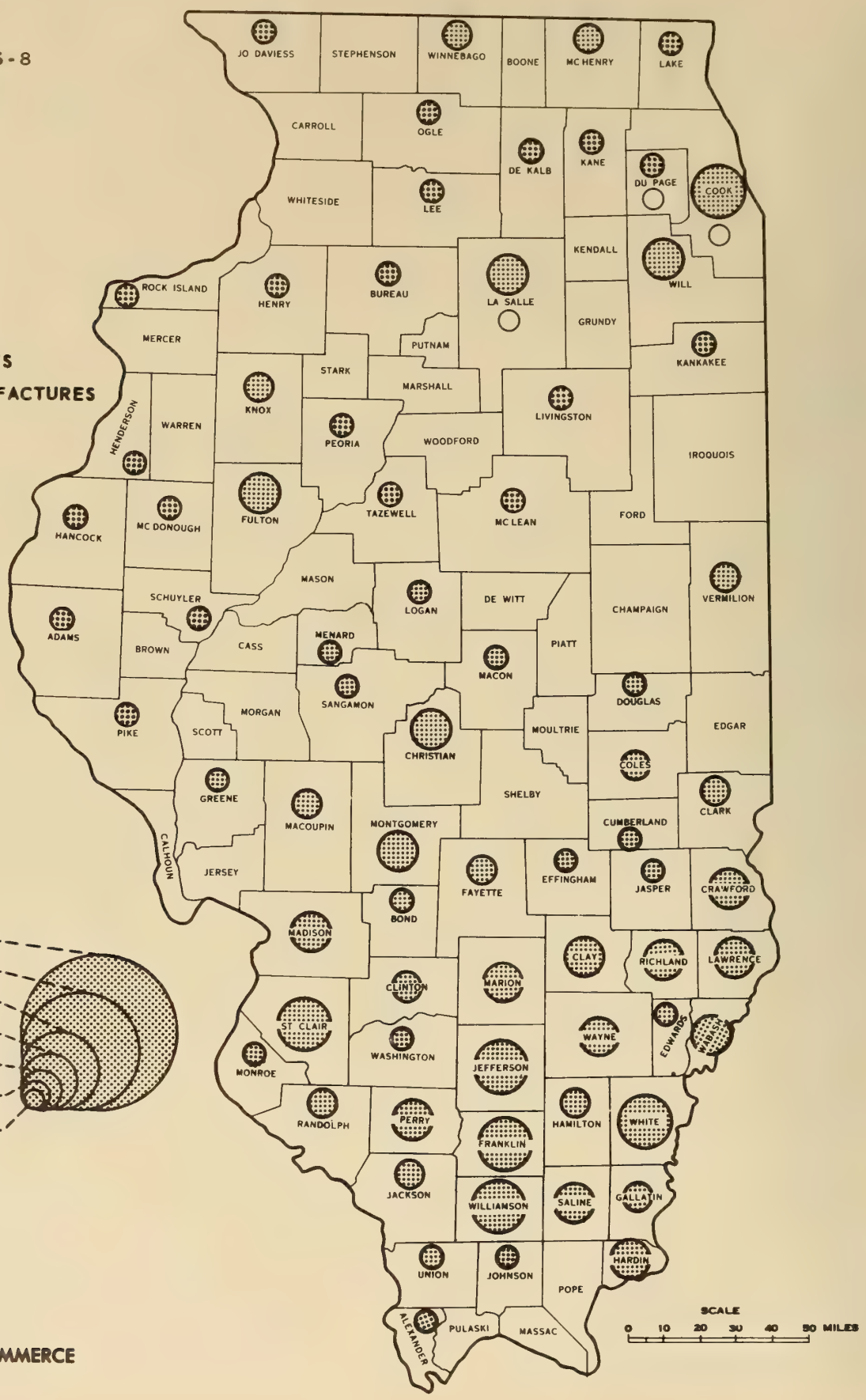
10-1

EMPLOYMENT IN MINING BY COUNTY: 1958

ILLINOIS

RANK AMONG STATES
EMPLOYMENT - 8
VALUE OF SHIPMENTS - 8

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES



EMPLOYMENT
8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

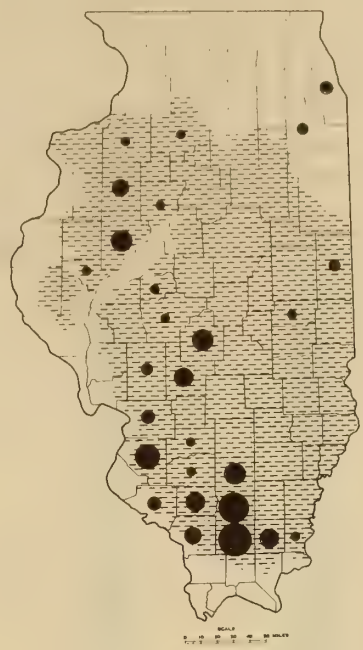
MINING IN ILLINOIS

Employment For Industry Group By County: 1958

Metal Mining

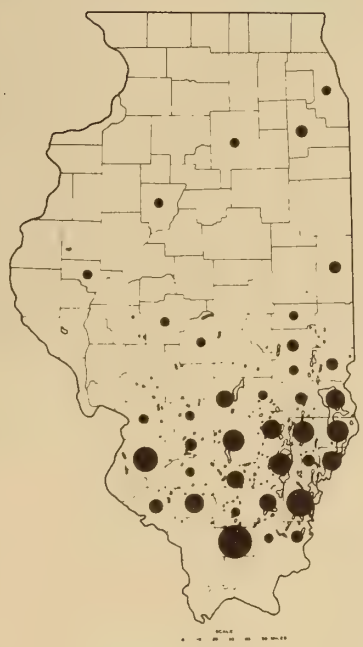


Coal Mining



General Extent of Coal Fields

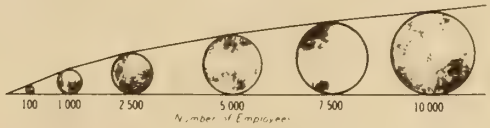
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

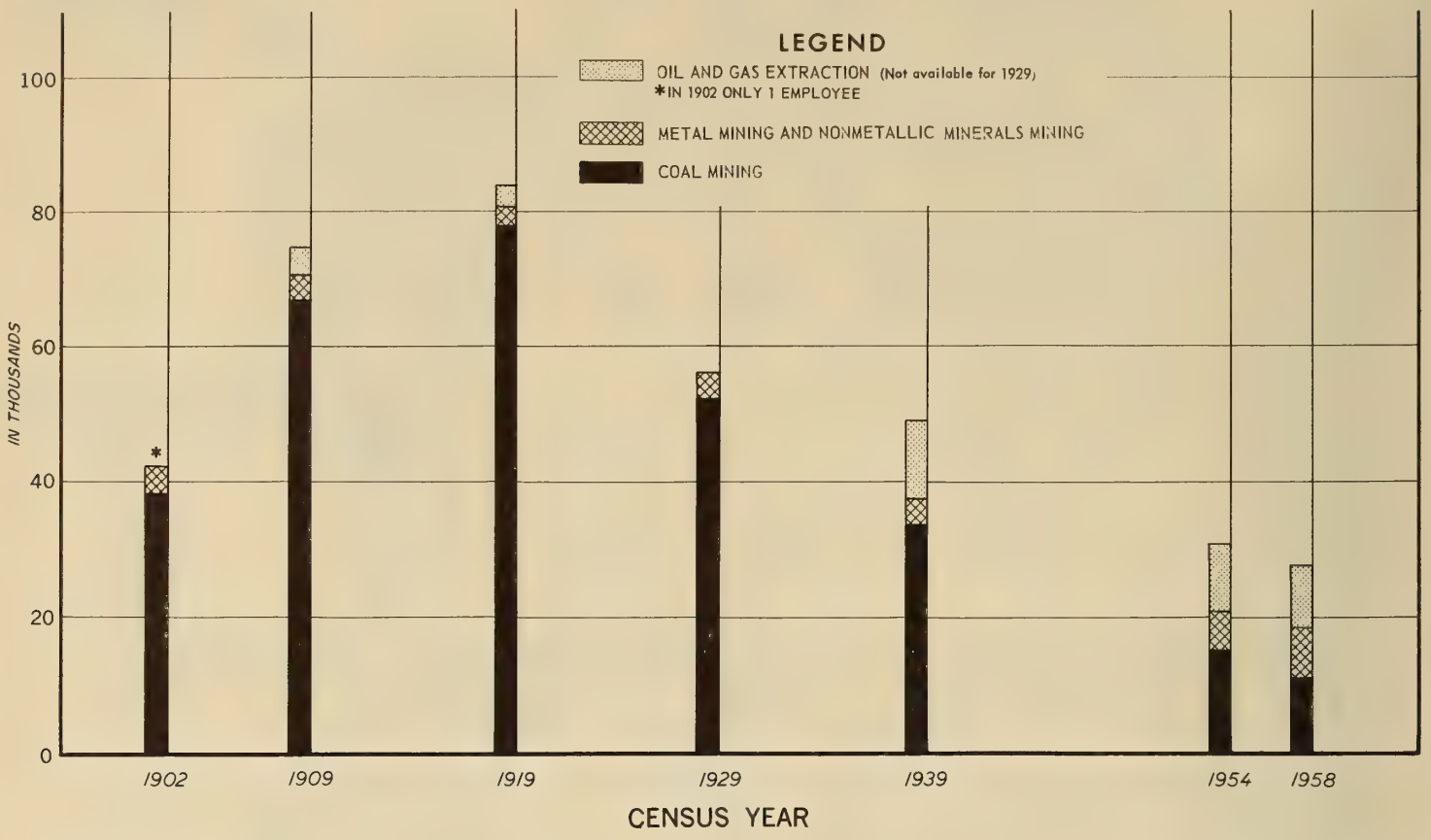




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

ILLINOIS



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	1,323	253	27,112	142,651	22,848	43,151	113,007	452,357	98,866	81,294	28,071	31,155	638,774	52,969	r8,647	r378
1954	1,345	470	30,157	126,847	26,627	48,697	107,174	375,191	77,040	23,804	41,728	38,327	492,465	63,625	7,909	297
Including operations in manufactures:																
All operations:																
1958	1,375	258	27,482	144,359	23,218	43,891	114,715	462,230	[3]100,060	81,294	[3]28,071	[4]31,155	649,841	[4]52,969	r[4]8,648	r372
1954[5]	1,384	269	30,494	128,189	26,964	49,370	108,516	378,595	77,986	23,804	[3]41,728	[4]38,327	496,815	[4]63,625	[4]7,909	293
1939[6]	[7]1,233	(NA)	48,887	65,418	44,422	68,509	54,325	165,538	23,710	(NA)	22,406	(NA)	211,654	(NA)	8,705	196
1919[8]	772	(NA)	83,618	104,303	79,123	(NA)	94,179	153,649	24,500	92	432	(NA)	178,673	(NA)	[9]16,645	210
1909[8]	995	(NA)	74,662	49,524	72,131	(NA)	46,410	64,291	9,823	102	2,443	(NA)	76,659	(NA)	(NA)	(NA)
1902[10]	[7]1,107	(NA)	41,859	28,578	[11]40,040	(NA)	26,726	34,106	3,333	(NA)	26	(NA)	37,465	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	576	154	18,465	105,481	15,608	30,226	83,837	232,858	[3]77,693	([12])	[3]3,480	[4]17,554	307,707	[4]23,878	r[4]2,809	r180
1954[5]	615	157	20,533	88,244	18,397	32,858	75,624	188,373	[3]45,948	21,221	[3]5,445	[4]15,580	259,635	[4]16,932	[4]2,927	159
1939[13]	[7]847	(NA)	37,436	46,818	34,573	50,807	39,384	70,803	19,386	(NA)	288	(NA)	90,477	(NA)	7,057	204
1929[5]	536	(NA)	56,126	80,560	53,415	(NA)	73,818	112,497	20,178	(NA)	273	8,240	132,948	(NA)	9,163	172
1919[8]	536	(NA)	80,561	100,283	76,371	(NA)	90,901	124,683	22,653	...	73	(NA)	147,409	(NA)	[9]16,048	210
1909[8]	668	(NA)	70,577	46,461	68,358	(NA)	43,784	51,825	5,709	89	140	(NA)	57,763	(NA)	(NA)	(NA)
1902[10]	[7]1,083	(NA)	41,858	28,577	[11]40,039	(NA)	26,725	34,104	3,333	(NA)	25	(NA)	37,462	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For "Excluding oil and gas extraction industries" in 1958, see footnote 12.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for any sand and gravel mining operations in manufacturing establishments.

[6]Excludes data for dimension stone dressing operations, if any, in conjunction with one dimension limestone quarry.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and limestone quarries operated as parts of cement and lime plants. There were 137 such mines and quarries in 1939 with products valued at $5,822 thousand. For 1919, excludes data for one nonproducing establishment. For "Excluding oil and gas extraction industries" in 1909, except for number of establishments, includes data for nonproducing crude petroleum and natural gas operations.

[9]Excludes purchased electricity. For 1939, the quantity of purchased electricity for "All operations" amounted to only 3 percent of the total kwh equivalent of energy used; and for 1929 for "Excluding oil and gas extraction industries," to only 2 percent.

[10]Excludes data for sand, gravel, common clay, and shale mining operations and limestone quarries operated as parts of cement plants. Includes data for lime plants producing lime valued at $486 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[13]Excludes data for 5 nonproducing mines. See also footnote 6.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	1,375	258	27,482	144,359	23,218	43,891	114,715	462,230	[1]240,580	[2]649,841	[3]52,969	[4]30,494	[4]378,595
	Mineral industries	1,323	253	27,112	142,651	22,848	43,151	113,007	452,357	239,386	638,774	52,969	30,157	375,191
	Included in manufactures	52	5	[2]370	[2]1,708	[2]370	740	1,708	9,873	[1]1,194	[2]11,067	(NA)	[2 4]337	[4]3,404
12	Bituminous coal mining[5]	141	71	11,140	66,595	9,871	18,058	56,815	138,898	60,479	186,781	12,596	14,956	129,161
1211	Bituminous coal	141	71	11,139	66,591	9,870	18,057	56,812	138,893	60,474	186,772	12,595	14,956	129,161
13	Oil and gas extraction	799	104	9,017	38,878	7,610	13,665	30,878	229,372	141,853	342,134	29,091	9,961	190,222
1311	Crude petroleum and natural gas	547	62	6,089	28,181	4,977	9,070	21,312	195,517	60,694	229,662	26,549	6,428	150,753
10 and 14	Metal mining and Nonmetallic minerals mining	435	83	7,325	38,886	5,737	12,168	27,022	93,960	[1]38,248	[2]120,926	[3]11,282	[4]5,577	[4]59,212
	Mineral industries[5]	383	78	6,955	37,178	5,367	11,428	25,314	84,087	37,054	109,859	11,282	5,240	55,808
	Included in manufactures	52	5	[2]370	[2]1,708	[2]370	740	1,708	9,873	[1]1,194	[2]11,067	(NA)	[2 4]337	[4]3,404
	Crushed and broken stone	158	32	2,796	14,563	2,466	5,493	12,070	45,358	[1]16,473	[2]56,329	[3]5,502	2,588	29,428
1421	Mineral industry	153	30	2,669	13,881	2,339	5,239	11,388	41,725	15,990	52,213	5,502	[2]2,588	29,428
	Included in manufactures	5	2	[2]127	[2]682	[2]127	254	682	3,633	[1]483	[2]4,116	(NA)		
	Crushed and broken limestone (mineral subindustry)	147	30	2,625	13,712	2,298	5,148	11,230	41,287	15,835	51,674	5,448	2,380	27,396
	Sand and gravel	179	37	2,439	12,583	2,046	4,215	9,941	36,769	[1]13,842	[2]46,719	[3]3,892	(NA)	(NA)
1441	Mineral industry	171	35	2,370	12,306	1,977	4,076	9,664	32,745	13,712	42,565	3,892	1,907	20,412
	Included in manufactures	8	2	[2]69	[2]277	[2]69	139	277	4,024	[1]130	[2]4,154	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry)	161	34	2,069	10,714	1,744	3,596	8,591	27,984	11,590	36,496	3,078	1,829	19,975
	Glass sand and Molding sand (mineral subindustries)	10	1	301	1,592	233	480	1,073	4,761	2,122	6,069	814	78	437
	Clay and related minerals	51	4	[6]306	[6]1,328	298	628	1,272	3,046	[1]1,730	[2]4,060	[3]716	187	1,787
145	Mineral industries	13	3	[6]137	[6]594	129	291	538	850	1,155	1,289	716	[2]187	1,787
	Included in manufactures	38	1	[2]169	[2]734	[2]169	337	734	2,196	[1]575	[2]2,771	(NA)		
	Fire clay	12	...	81	347	79	151	337	686	[1]519	[2]1,127	[3]78	38	305
	Included in manufactures	7	...	[2]60	[2]256	[2]60	120	256	594	[1]301	[2]895	(NA)	(NA)	(NA)
	Clay and related minerals, nec.	39	4	225	981	219	477	935	2,360	[1]1,211	[2]2,933	[3]638	149	1,482
1459	Mineral industry	8	3	116	503	110	260	457	758	937	1,057	638	149	1,482
	Included in manufactures	31	1	[2]109	[2]478	[2]109	217	478	1,602	[1]274	[2]1,876	(NA)		
1473	Chemical and fertilizer minerals (Fluorspar)	25	6	(D)	(D)	691	1,344	2,772	6,590	4,012	9,627	975	682	5,426

NA Not available.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[3]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes figures for sand and gravel mining operations in manufacturing establishments.

[5]Except for number of establishments, includes figures for the Illinois operations of certain service establishments primarily engaged in performing mining services in other States.

[6]Excludes data for separately reported central offices and related facilities in the Bentonite Industry. Such figures are included in the totals shown for the State and for the major group.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	239,386	98,866	81,294	28,071	31,155	52,969	13,117	39,852	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	60,479	[3]46,726	([3])	1,412	12,341	12,596	566	12,030	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	60,474	[3]46,721	([3])	1,412	12,341	12,595	566	12,029	44,309	176,880	([4])	3
13	Oil and gas extraction.....	141,853	[3]103,661	([3])	24,591	13,601	29,091	11,773	17,318	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	60,694	24,973	...	23,741	11,980	26,549	11,064	15,485	[5]75,691	[6]226,730	[5]867	[6]2,347
10 and 14	Metal mining and Nonmetallic minerals mining.....	37,054	27,716	2,057	2,068	5,213	11,282	778	10,504	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	15,990	[3]13,104	([3])	381	2,505	5,502	198	5,304	32,379	48,821	[7]2,756	[7]4,219
	Crushed and broken limestone.	15,835	[3]13,002	([3])	379	2,454	5,448	197	5,251	32,057	48,347	[7]2,756	[7]4,219
1441	Sand and gravel.....	13,712	[3]10,719	([3])	992	2,001	3,892	90	3,802	34,558	[8]41,550	[7]2,098	([8])
	Common sand and gravel.....	11,590	[3]9,003	([3])	882	1,705	3,078	90	2,988	32,290	[8]36,792	[7]2,499	([8])
1473	Fluorspar.....	4,012	[3]3,052	([3])	527	433	975	391	584	150	7,675	([4])	5

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]Less than 500 tons.

[5]Represents thousands of barrels of crude petroleum shipped or used only. In addition, 4,614 million cubic feet of gas was shipped by the Crude Petroleum and Natural Gas Industry and 4 million cubic feet by other industries.

[6]For the Crude Petroleum and Natural Gas Industry, represents $226,117 thousand for crude petroleum shipped and $613 thousand for natural gas shipped. For other industries, represents crude petroleum shipped; the value of natural gas shipped in these industries was less than $500.

[7]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[8]Figures for the value of primary products shipped in other industries or subindustries are included with those for the value of primary products shipped in the specified industry. See also footnote 7.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	1,072	1,037	631	39	50	542	393	55	311	27	13	35
	Number of employees	24,351	24,280	7,278	899	250	6,129	16,723	7,979	8,401	343	279	71
	Value added in mining...$1,000	432,732	432,668	208,832	8,340	3,759	196,733	208,628	77,605	127,270	3,753	15,208	64
1211	Bituminous coal mining:												
	Number of establishments	141	139	50	31	18	1	86	46	40	...	3	2
	Number of employees	11,139	(D)	(D)	744	153	(D)	10,186	6,899	3,287	...	(D)	(D)
	Value added in mining...$1,000	138,893	(D)	(D)	7,172	2,639	(D)	128,242	66,905	61,337	...	(D)	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments	547	523	523	...	...	523	...	...	...	...	...	24
	Number of employees	6,089	6,073	6,073	...	...	6,073	...	...	...	...	...	16
	Value added in mining...$1,000	195,517	196,099	196,099	...	...	196,099	...	...	...	...	...	(3)
1421	Crushed and broken stone:												
	Number of establishments	153	152	1	1	...	...	148	2	146	...	3	1
	Number of employees	2,669	(D)	(D)	(D)	...	...	(D)	(D)	2,344	...	(D)	(D)
	Value added in mining...$1,000	41,725	(D)	(D)	(D)	...	...	(D)	(D)	37,413	...	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	171	171	32	...	19	13	139	...	112	27	...	...
	Number of employees	2,370	2,370	109	...	54	55	2,261	...	1,918	343	...	...
	Value added in mining...$1,000	32,745	32,745	1,798	...	889	909	30,947	...	27,194	3,753	...	...
1473	Fluorspar:												
	Number of establishments	25	19	10	5	5	...	8	6	2	...	1	6
	Number of employees	(D)	(D)	81	66	15	...	(D)	713	(D)	...	(D)	12
	Value added in mining...$1,000	6,590	6,617	778	673	105	...	(D)	5,645	(D)	...	(D)	(3)

D Withheld to avoid disclosing data for individual companies.

[1] Includes data for 11 sand and gravel establishments for which the method of mining was not specified.

[2] Includes data for 7 sand and gravel establishments for which the method of mining was not specified.

[3] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	ILLINOIS:													
	All mineral operations	1,375	258	27,482	144,359	23,218	43,891	114,715	462,230	[3]240,580	[4]649,841	[5]52,969	30,494	378,595
	Mineral industries	1,323	253	27,112	142,651	22,848	43,151	113,007	452,357	239,386	638,774	52,969	30,157	375,191
	Included in manufactures	52	5	[4]370	[4]1,708	[4]370	740	1,708	9,873	[3]1,194	[4]11,067	(NA)	[4]337	3,404
	COUNTIES													
	Adams (mineral industries only)	12	1	126	523	110	234	477	1,345	609	1,827	127	90	642
14	Alexander	5	1	50	176	44	92	146	422	193	585	30	55	525
	Bond (mineral industries only)	38	...	64	246	(NA)	(NA)	(NA)	(NA)	(NA)	2,258	(NA)	[6]25	(NA)
131	Crude petroleum and natural gas	22	...	20	92	(NA)	(NA)	(NA)	(NA)	(NA)	1,612	(NA)	(NA)	(NA)
14	Boone	3	...	7	37	7	14	37	135	(D)	217	(D)	10	122
	Brown (mineral industries only)	4	...	16	53	15	26	51	112	50	162	...	(NA)	(NA)
14	Calhoun	4	...	11	20	10	15	19	46	14	59	1	(NA)	(NA)
14	Carroll	6	...	21	71	20	35	69	249	114	288	75	12	70
144	Champaign	6	...	16	69	14	26	62	207	(D)	210	(D)	16	134
	Christian	35	3	839	4,166	(NA)	(NA)	(NA)	(NA)	(NA)	14,484	(NA)	[6]1,934	(NA)
131	Crude petroleum and natural gas	24	1	56	258	(NA)	(NA)	(NA)	(NA)	(NA)	2,583	(NA)	(NA)	(NA)
	Clark, total	44	3	200	847	(NA)	(NA)	(NA)	(NA)	(NA)	2,306	(NA)	[6]162	(NA)
13	Oil and gas extraction	39	2	143	631	(NA)	(NA)	(NA)	(NA)	(NA)	1,843	(NA)	[6]101	(NA)
131	Crude petroleum and natural gas	26	2	118	544	(NA)	(NA)	(NA)	(NA)	(NA)	1,610	(NA)	101	(NA)
14	Nonmetallic minerals mining	5	1	57	216	46	91	176	393	133	463	63	[7]61	[7]416
	Clay	116	4	521	2,221	(NA)	(NA)	(NA)	(NA)	(NA)	11,825	(NA)	[6]426	(NA)
131	Crude petroleum and natural gas	79	1	346	1,594	(NA)	(NA)	(NA)	(NA)	(NA)	9,062	(NA)	(NA)	(NA)
	Clinton, total	78	2	294	1,083	(NA)	(NA)	(NA)	(NA)	(NA)	13,338	(NA)	[6]339	(NA)
13	Oil and gas extraction	74	1	194	843	(NA)	(NA)	(NA)	(NA)	(NA)	12,776	(NA)	[6]162	(NA)
131	Crude petroleum and natural gas	50	1	148	682	(NA)	(NA)	(NA)	(NA)	(NA)	12,254	(NA)	162	(NA)
12, 14	Bituminous coal mining and Nonmetallic minerals mining	4	1	100	240	96	117	206	458	(D)	562	(D)	177	475
	Coles	48	3	190	823	(NA)	(NA)	(NA)	(NA)	(NA)	2,251	(NA)	[6]158	(NA)
131	Crude petroleum and natural gas	37	1	95	437	(NA)	(NA)	(NA)	(NA)	(NA)	1,424	(NA)	(NA)	(NA)
	Cook (including operations in manufactures)	30	10	[8]1,877	[8]13,351	764	1,512	4,121	19,839	[3]6,413	[4]23,850	[5]2,402	[8]1,395	12,697
	Nonmetallic minerals mining:													
14	Mineral industries	21	9	1,450	9,980	696	1,377	3,822	18,627	6,279	22,504	2,402	1,097	12,133
	Included in manufactures	9	1	[4]68	[4]299	[4]68	135	299	1,212	[3]134	[4]1,346	(NA)	[9]22	[9]564
	Crawford	78	5	584	2,577	(NA)	(NA)	(NA)	(NA)	(NA)	10,592	(NA)	[6]608	(NA)
131	Crude petroleum and natural gas	47	4	482	2,220	(NA)	(NA)	(NA)	(NA)	(NA)	9,251	(NA)	(NA)	(NA)
	Cumberland	11	1	62	265	(NA)	(NA)	(NA)	(NA)	(NA)	2,135	(NA)	[6]64	(NA)
131	Crude petroleum and natural gas	6	1	45	207	(NA)	(NA)	(NA)	(NA)	(NA)	2,075	(NA)	63	(NA)
	Douglas	16	2	153	1,041	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[6]118	(NA)
13	Edgar	7	...	9	39	(NA)	(NA)	(NA)	(NA)	(NA)	281	(NA)	(NA)	(NA)
13	Edwards (mineral industries only)	74	1	162	706	(NA)	(NA)	(NA)	(NA)	(NA)	4,366	(NA)	[6]136	(NA)
131	Crude petroleum and natural gas	57	1	126	580	(NA)	(NA)	(NA)	(NA)	(NA)	3,989	(NA)	136	(NA)
	Effingham	54	1	123	550	(NA)	(NA)	(NA)	(NA)	(NA)	2,267	(NA)	[6]44	(NA)
131	Crude petroleum and natural gas	39	1	105	484	(NA)	(NA)	(NA)	(NA)	(NA)	1,927	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Fayette (mineral industries only)	48	4	397	1,727	(NA)	(NA)	(NA)	(NA)	(NA)	40,315	(NA)	[6]348	(NA)
13	Oil and gas extraction	45	4	385	1,691	(NA)	(NA)	(NA)	(NA)	(NA)	40,236	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	30	1	228	1,050	(NA)	(NA)	(NA)	(NA)	(NA)	39,138	(NA)	329	(NA)
	Franklin	54	5	1,617	8,974	(NA)	(NA)	(NA)	(NA)	(NA)	26,712	(NA)	[6]2,579	(NA)
131	Crude petroleum and natural gas	37	...	77	355	(NA)	(NA)	(NA)	(NA)	(NA)	5,873	(NA)	87	(NA)
12	Fulton (Bituminous coal only)	12	7	805	5,017	736	1,388	4,576	15,709	5,447	19,506	1,650	1,025	16,816
	Gallatin	88	1	196	761	(NA)	(NA)	(NA)	(NA)	(NA)	9,945	(NA)	[6]202	(NA)
13	Oil and gas extraction, total	85	...	167	677	(NA)	(NA)	(NA)	(NA)	(NA)	9,619	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	52	...	84	387	(NA)	(NA)	(NA)	(NA)	(NA)	7,783	(NA)	(NA)	(NA)
138	Oil and gas field services	33	...	83	290	(NA)	(NA)	(NA)	(NA)	(NA)	1,836	(NA)	(NA)	(NA)
	Greene	4	...	32	109	32	56	109	274	197	361	110	34	184
13	Hamilton	106	5	368	1,622	(NA)	(NA)	(NA)	(NA)	(NA)	10,495	(NA)	[6]258	(NA)
131	Crude petroleum and natural gas	74	2	224	1,032	(NA)	(NA)	(NA)	(NA)	(NA)	8,285	(NA)	(NA)	(NA)
	Hardin	29	6	837	3,668	712	1,338	2,851	6,693	4,229	9,946	976	584	(NA)
14	Nonmetallic minerals mining	26	6	828	3,651	705	1,332	2,841	6,697	4,160	9,919	938	709	5,622
147	Chemical and fertilizer mineral mining (Fluorspar)	20	6	789	3,502	666	1,258	2,692	6,322	3,957	9,387	892	642	5,198
	Henderson	6	...	55	215	(NA)	(NA)	(NA)	(NA)	(NA)	1,085	(NA)	16	86
	Henry	7	1	63	258	62	108	244	341	(D)	522	(D)	90	(D)
	Jackson	9	4	374	2,222	(NA)	(NA)	(NA)	(NA)	(NA)	7,298	(NA)	321	(D)
13	Jasper, total	67	3	169	660	(NA)	(NA)	(NA)	(NA)	(NA)	6,522	(NA)	[6]148	(NA)
131	Crude petroleum and natural gas	43	...	63	290	(NA)	(NA)	(NA)	(NA)	(NA)	5,873	(NA)	148	(NA)
138	Oil and gas field services	24	3	106	370	(NA)	(NA)	(NA)	(NA)	(NA)	649	(NA)	(NA)	(NA)
	Jefferson	84	5	1,051	6,115	(NA)	(NA)	(NA)	(NA)	(NA)	22,383	(NA)	[6]669	(NA)
131	Crude petroleum and natural gas	56	3	272	1,253	(NA)	(NA)	(NA)	(NA)	(NA)	7,718	(NA)	(NA)	(NA)
14	Kane	8	3	118	633	108	205	558	1,892	1,195	2,409	678	63	726
14	Lake (mineral industries only)	12	...	51	266	41	102	239	812	335	987	160	18	200
	La Salle, total	33	9	891	4,667	(NA)	(NA)	(NA)	(NA)	(NA)	[4]15,403	(NA)	[6]373	(NA)
	Mineral industries	23	6	741	3,857	(NA)	(NA)	(NA)	(NA)	(NA)	11,773	(NA)	[6]178	(NA)
	Included in manufactures	10	3	[4]150	[4]810	[4]150	299	810	2,942	[3]688	[4]3,630	(NA)	[4]195	2,881
144	Sand and gravel (mineral industries only)	14	4	579	3,182	442	934	2,101	3,637	8,324	[4]10,747	1,214	327	3,736
	Lawrence	88	4	661	2,901	(NA)	(NA)	(NA)	(NA)	(NA)	16,427	(NA)	[6]438	(NA)
131	Crude petroeum and natural gas	52	3	533	2,455	(NA)	(NA)	(NA)	(NA)	(NA)	15,036	(NA)	(NA)	(NA)
	Lee (mineral industries only)	6	...	28	105	26	32	99	404	232	566	70	47	413
	Livingston (mineral industries only)	9	3	137	617	103	146	466	1,440	490	1,784	146	91	1,070
142	Crushed and broken stone	5	2	81	509	69	82	376	1,049	388	1,317	120	(NA)	(NA)
	Logan	4	2	87	400	62	117	247	652	(D)	865	(D)	73	626
	McDonough (mineral industries only)	8	1	63	216	(NA)	(NA)	(NA)	(NA)	(NA)	679	(NA)	[6]34	(NA)
14	McHenry	11	4	219	1,483	189	460	1,289	4,475	2,089	6,242	322	121	1,294
	Macon	10	...	37	154	(NA)	(NA)	(NA)	(NA)	(NA)	648	(NA)	[6]35	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Madison (mineral industries only)	28	4	537	2,784	(NA)	(NA)	(NA)	(NA)	(NA)	5,158	(NA)	[6]695	(NA)
	Nonmetallic minerals mining (mineral industries and included in manufactures)	10	2	[4]202	[4]1,351	[4]135	236	635	1,503	[3]307	[4]1,749	[5]61	[10]132	[10]764
	Marion	77	4	503	2,668	(NA)	(NA)	(NA)	(NA)	(NA)	23,298	(NA)	[6]767	(NA)
131	Crude petroleum and natural gas	42	2	409	1,884	(NA)	(NA)	(NA)	(NA)	(NA)	20,382	(NA)	(NA)	(NA)
	Menard (mineral industries only)	5	...	32	90	29	46	86	164	114	199	79	38	246
	Mercer (including operations in manufactures)	5	...	24	107	24	46	90	238	70	267	41	(NA)	(NA)
138	Moultrie	4	...	3	10	(NA)	(NA)	(NA)	(NA)	(NA)	29	(NA)	(NA)	(NA)
14	Ogle	10	2	89	381	80	199	330	681	816	1,166	331	76	633
	Peoria (mineral industries only)	15	3	199	1,029	170	350	874	2,713	939	3,517	135	292	2,730
12	Bituminous coal mining	8	2	87	468	69	121	391	1,247	366	1,600	13	141	1,514
	Sand and gravel (including operations in manufactures)	5	1	[4]74	[4]379	[4]68	144	326	1,050	[3]353	[4]1,384	[5]19	[10]96	[10]930
	Perry	12	3	584	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[6]864	(NA)
13	Piatt	6	...	2	9	(NA)	(NA)	(NA)	(NA)	(NA)	75	(NA)	(NA)	(NA)
	Pike	11	...	58	227	(NA)	(NA)	(NA)	(NA)	(NA)	640	(NA)	30	148
14	Pope	3	...	17	56	14	18	46	135	(D)	96	(D)	36	216
	Randolph	12	3	416	2,703	(NA)	(NA)	(NA)	(NA)	(NA)	8,362	(NA)	[6]602	[11]5,982
14	Nonmetallic minerals mining	4	1	112	603	108	258	570	2,077	280	2,305	52	(NA)	(NA)
13	Richland, total	79	2	597	2,578	(NA)	(NA)	(NA)	(NA)	(NA)	7,602	(NA)	[6]338	(NA)
131	Crude petroleum and natural gas	53	1	443	2,040	(NA)	(NA)	(NA)	(NA)	(NA)	5,867	(NA)	338	(NA)
138	Oil and gas field services	26	1	154	538	(NA)	(NA)	(NA)	(NA)	(NA)	1,735	(NA)	(NA)	(NA)
14	Rock Island	10	1	80	386	71	168	348	1,317	492	1,423	386	[6]60	[11]479
	St. Clair (mineral industries only)	24	11	1,184	7,451	(NA)	(NA)	(NA)	(NA)	(NA)	21,407	(NA)	[6]1,052	(NA)
142	Crushed and broken stone	4	3	239	1,169	212	368	1,038	2,816	536	3,165	187	(NA)	(NA)
	Saline	82	4	768	4,207	(NA)	(NA)	(NA)	(NA)	(NA)	19,738	(NA)	[6]1,105	(NA)
131	Crude petroleum and natural gas	46	...	77	355	(NA)	(NA)	(NA)	(NA)	(NA)	3,053	(NA)	(NA)	(NA)
	Sangamon (mineral industries only)	10	4	138	610	(NA)	(NA)	(NA)	(NA)	(NA)	1,313	(NA)	149	757
12, 14	Bituminous coal mining and Nonmetallic minerals mining	6	4	137	607	121	203	531	994	303	1,193	104	149	757
14	Scott	4	...	17	80	17	32	77	298	75	372	1	(NA)	(NA)
	Shelby	11	...	16	71	(NA)	(NA)	(NA)	(NA)	(NA)	290	(NA)	(NA)	(NA)
142	Stephenson	6	...	12	33	12	18	33	133	59	164	28	(NA)	(NA)
	Tazewell (mineral industries only)	7	3	59	286	(NA)	(NA)	(NA)	(NA)	(NA)	1,154	(NA)	(NA)	(NA)
14	Union	5	1	80	285	73	94	212	618	265	746	137	58	(NA)
	Vermilion (including operations in manufactures)	13	3	[4]241	[4]1,460	[4]223	407	1,312	4,459	[3]1,636	[4]5,967	[5]128	[6]233	3,141
12	Bituminous coal mining	7	2	193	1,244	179	330	1,122	3,521	1,386	4,784	123	190	2,574
	Wabash	137	5	480	2,028	(NA)	(NA)	(NA)	(NA)	(NA)	12,344	(NA)	[6]455	(NA)
131	Crude petroleum and natural gas	97	4	318	1,465	(NA)	(NA)	(NA)	(NA)	(NA)	10,029	(NA)	432	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Washington	50	...	130	463	(NA)	(NA)	(NA)	(NA)	(NA)	3,106	(NA)	[6]82	(NA)
13	Oil and gas extraction	47	...	82	345	(NA)	(NA)	(NA)	(NA)	(NA)	2,810	(NA)	[6]36	(NA)
131	Crude petroleum and natural gas	34	...	53	244	(NA)	(NA)	(NA)	(NA)	(NA)	2,472	(NA)	36	(NA)
13	Wayne, total	160	5	655	2,887	(NA)	(NA)	(NA)	(NA)	(NA)	21,514	(NA)	[6]725	(NA)
131	Crude petroleum and natural gas	112	4	538	2,478	(NA)	(NA)	(NA)	(NA)	(NA)	19,357	(NA)	725	(NA)
138	Oil and gas field services	48	1	117	409	(NA)	(NA)	(NA)	(NA)	(NA)	2,157	(NA)	(NA)	(NA)
	White	192	12	962	4,023	(NA)	(NA)	(NA)	(NA)	(NA)	26,339	(NA)	[6]704	(NA)
131	Crude petroleum and natural gas	125	6	530	2,441	(NA)	(NA)	(NA)	(NA)	(NA)	20,316	(NA)	641	(NA)
138	Oil and gas field services	62	5	372	1,299	(NA)	(NA)	(NA)	(NA)	(NA)	4,871	(NA)	(NA)	(NA)
14	Whiteside	8	...	21	90	19	29	78	257	80	308	29	36	256
	Will	14	9	550	3,393	497	995	2,970	8,614	3,718	10,832	1,500	366	4,222
144	Sand and gravel	7	4	203	1,039	194	356	949	3,283	1,168	4,173	278	(NA)	(NA)
	Williamson	40	13	1,630	9,718	(NA)	(NA)	(NA)	(NA)	(NA)	25,897	(NA)	2,048	17,674
12	Bituminous coal mining	29	13	1,618	9,675	1,446	2,651	8,533	19,512	9,382	25,693	3,201	2,048	17,674
14	Winnebago (mineral industries only)	17	4	222	1,039	184	427	875	1,587	728	2,142	173	157	1,559
144	Sand and gravel (mineral industries only)	10	4	187	875	153	358	733	1,262	495	1,660	97	145	1,379
13	Undistributed, total	158	4	903	3,926	(NA)	(NA)	(NA)	(NA)	(NA)	13,084	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	76	2	548	2,526	(NA)	(NA)	(NA)	(NA)	(NA)	9,263	(NA)	(NA)	(NA)
138	Oil and gas field services	82	2	355	1,400	(NA)	(NA)	(NA)	(NA)	(NA)	3,821	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 2.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Excludes data for the Oil and Gas Field Services Industries.
[7]Includes data for the Bituminous Coal Mining Industries.
[8]For 1958, includes data for central offices and related facilities in the Bituminous Coal, Crude Petroleum and Natural Gas, and Uranium-Radium-Vanadium Ores Industries and for 1954, in the Crude Petroleum and Natural Gas Industry.
[9]Excludes data for sand and gravel mining operations in manufacturing establishments.
[10]Represents mineral industries only.
[11]Excludes data for one establishment in the Crude Petroleum and Natural Gas Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Illinois, total.....	1,375	1,323	52	...	...	5	...	...	...	...	...	141	...	547	5	247	7	1	153	5	171	8	13	38	25	4	5	...
No employees.....	114	112	2	...	...	...	...	...	...	...	...	7	...	75	...	7	1	...	7	...	10	...	2	2	3	...	...	...
0-4 employees.....	574	547	27	...	...	1	...	...	...	...	...	21	...	298	...	97	5	...	45	...	65	4	5	23	5	2	3	...
5-9 employees.....	216	205	11	...	...	1	...	...	...	...	...	25	...	65	...	44	...	1	34	1	25	2	2	7	8	1	...	...
10-19 employees...	213	206	7	...	...	...	...	...	...	...	...	17	...	47	...	62	1	...	37	2	36	...	1	5	3	1	1	...
20-49 employees...	158	154	4	...	...	1	...	...	...	...	...	24	...	45	5	29	...	...	18	1	28	2	2	1	1	...	1	...
50-99 employees...	44	43	1	...	...	2	...	...	...	...	...	10	...	9	...	7	...	...	8	1	4	...	1	...	2	...	...	...
100-249 employees.	41	41	...	...	...	...	...	...	...	...	...	27	...	4	...	1	...	...	4	...	3	...	...	...	2	...	...	...
250-499 employees.	9	9	...	...	...	...	...	...	...	...	...	6	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...
500-999 employees.	6	6	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	8	1	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Alexander:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Bond:																												
0-19 employees....	39	38	1	...	...	...	...	...	...	...	...	...	...	22	...	14	...	...	...	...	2	1	...	...	...	...	...	...
Boone:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...
Bureau:																												
0-19 employees....	9	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	2	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calhoun:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Champaign:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...
Christian:																												
0-19 employees....	32	32	...	...	...	...	...	...	...	...	...	...	...	23	...	9	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clark:																												
0-19 employees....	41	41	...	...	...	...	...	...	...	...	...	...	...	24	...	13	...	...	3	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	112	112	...	...	...	...	...	...	...	...	...	...	...	78	...	33	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clinton:																												
0-19 employees....	76	76	...	...	...	...	...	...	...	...	...	...	...	49	...	24	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coles:																												
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	36	...	8	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Cook:																												
0-19 employees....	20	12	8	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	1	...	6	...	...	7	...	...	2	...
20-99 employees...	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	3	1	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Crawford:																												
0-19 employees....	73	73	...	...	...	...	...	...	...	...	...	...	...	43	...	28	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cumberland:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
De Kalb:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
De Witt:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Douglas:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Du Page:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...
Edgar:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Edwards:																												
0-19 employees....	74	73	1	...	...	...	...	...	...	...	...	...	...	56	...	17	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Effingham:																												
0-19 employees....	53	53	...	...	...	...	...	...	...	...	...	...	...	38	...	14	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fayette:																												
0-19 employees....	45	44	1	...	...	...	...	...	...	...	...	...	...	29	...	12	...	...	...	...	3	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ford:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Franklin:																												
0-19 employees....	49	49	...	...	...	...	...	...	...	...	...	...	1	37	...	11	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fulton:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gallatin:																												
0-19 employees....	87	87	...	...	...	...	...	...	...	...	...	2	...	52	...	33	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Greene:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...
Grundy:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...
Hamilton:																												
0-19 employees....	101	101	...	...	...	...	...	...	...	...	...	...	...	72	...	29	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Hancock:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	1	...	...	...	...	...	...	...
Hardin:																												
0-19 employees....	23	23	...	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	4	...	...	...	...	...	14	2	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Henderson:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	5	...	...	...	...	...	...	...	...	...
Henry:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Iroquois:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	...	1	...	1	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jasper:																											
0-19 employees....	64	64	...	...	...	...	...	...	...	...	...	...	...	43	...	21	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	79	79	...	...	...	...	...	...	...	...	...	1	...	53	...	24	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jersey:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jo Daviess:																											
0-19 employees....	3	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Johnson:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Kane:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Kankakee:																											
0-19 employees....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...	3	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Kendall:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Knox:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lake:																											
0-19 employees....	14	12	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	1	...	1	...	...	1	...
La Salle:																											
0-19 employees....	24	17	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	10	...	3	6	...	...	...	...
20-99 employees...	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	2	...	1	1	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees....	84	84	...	...	...	...	...	...	...	...	...	...	...	49	...	34	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lee:																											
0-19 employees....	8	6	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	4	1	1	1	...	...	...	...	...	...
Livingston:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	2	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...
Logan:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
McDonough:																											
0-19 employees....	9	7	2	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	1	...	3	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
McHenry:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
McLean:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Macon:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	3	...	...	...	...	...	...	...
Macoupin:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Madison:																												
0-19 employees....	26	24	2	...	...	...	...	...	...	...	...	3	...	14	...	1	...	...	2	...	4	...	...	2	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																												
0-19 employees....	73	73	...	...	...	...	...	...	...	...	...	1	...	40	...	32	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mason:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Massac:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Menard:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Mercer:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	1	...	...	...	...	1	...	...	...	...
Monroe:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Montgomery:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moultrie:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Ogle:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Peoria:																												
0-19 employees....	14	12	2	...	...	...	...	...	...	...	...	6	...	...	...	1	...	...	3	...	2	2	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Perry:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	2	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Piatt:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Pike:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	8	...	1	...	...	...	...	...	...	...
Pope:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...
Pulaski:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Randolph:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	2	...	3	...	1	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Richland:																												
0-19 employees....	77	77	...	...	...	...	...	...	...	...	...	...	...	52	...	25	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rock Island:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	4	...	...	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
St. Clair:																												
0-19 employees....	14	13	1	...	...	...	...	...	...	...	...	3	...	5	...	3	...	...	1	...	1	...	...	1	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

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COUNTIES—Continued																												
Saline:																												
0-19 employees....	78	78	...	...	...	...	...	...	...	1	...	7	...	46	...	21	...	...	1	...	...	...	...	...	2	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sangamon:																												
0-19 employees....	8	6	2	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	1	...	1	2	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Schuyler:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Shelby:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	9	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Stark:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Stephenson:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...
Tazewell:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Union:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Vermilion:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wabash:																												
0-19 employees....	132	132	...	...	...	...	...	...	...	...	...	...	...	93	...	38	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	2	...	34	...	13	...	...	1	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	155	155	...	...	...	...	...	...	...	...	...	...	...	108	...	47	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White:																												
0-19 employees....	180	180	...	...	...	...	...	...	...	...	...	...	1	119	...	57	...	...	...	...	2	...	...	...	...	1	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...
Whiteside:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	...	...	...	...	...	...
Will:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	3	...	3	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Williamson:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	16	...	6	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Winnebago:																												
0-19 employees....	14	13	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	6	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	154	154	...	...	...	...	...	...	...	...	...	...	...	74	...	80	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

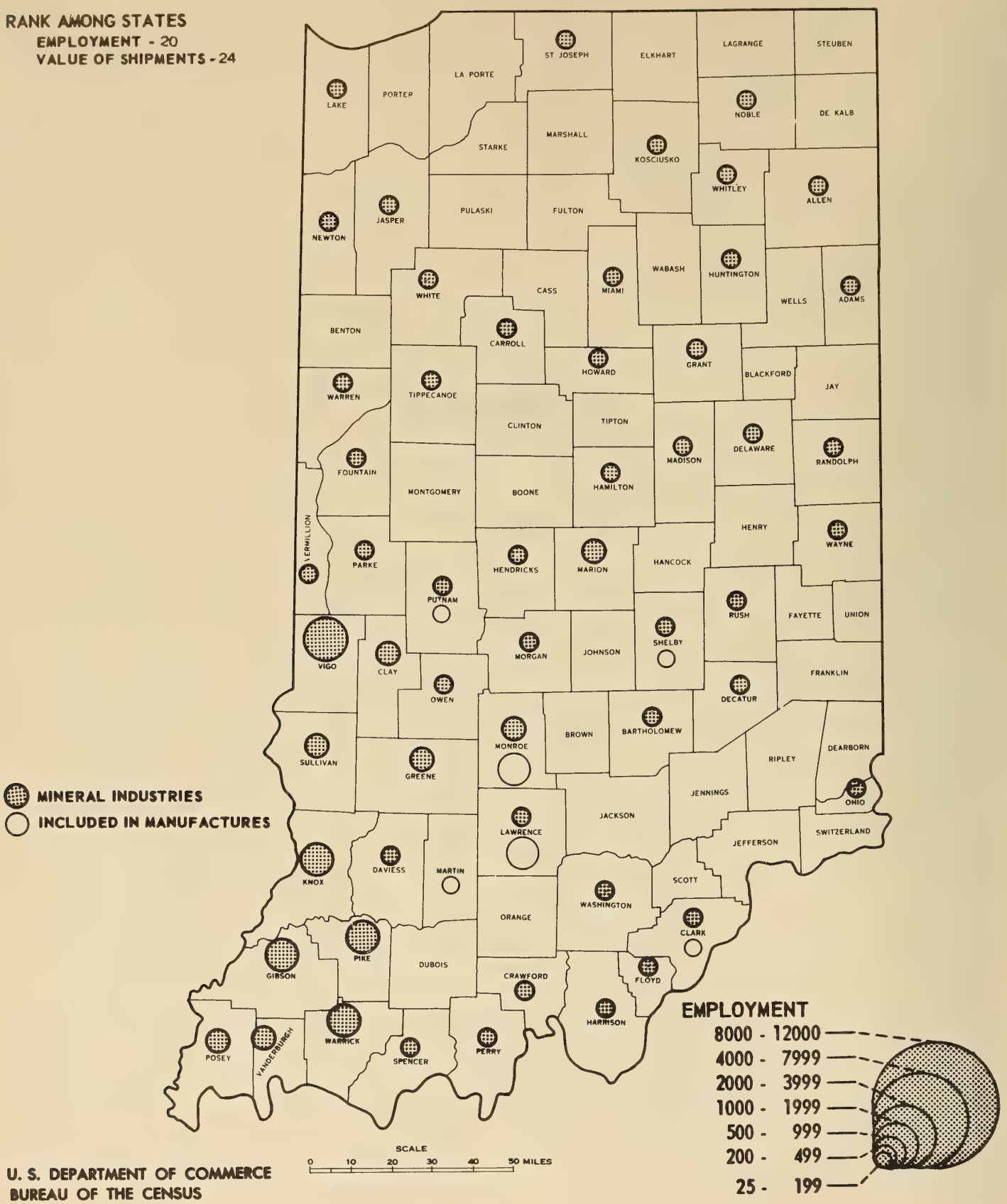
INDIANA

11-1

EMPLOYMENT IN MINING BY COUNTY: 1958

INDIANA

RANK AMONG STATES
EMPLOYMENT - 20
VALUE OF SHIPMENTS - 24

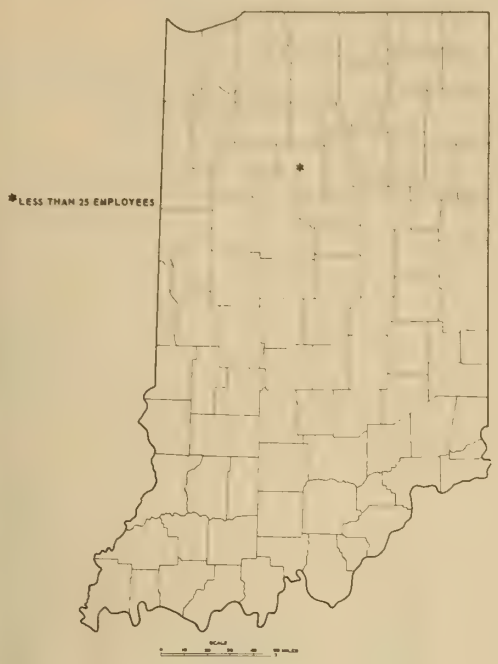


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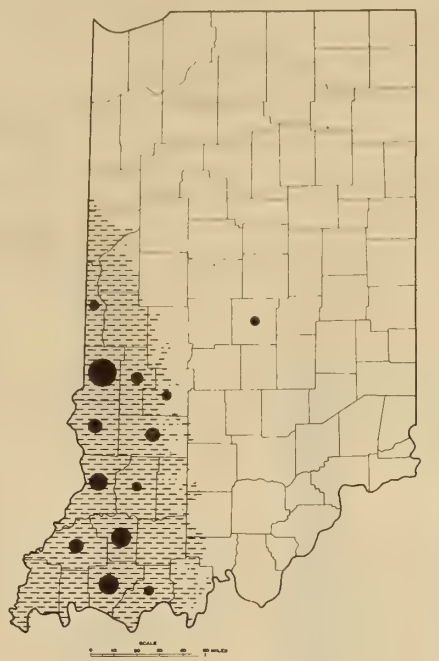
MINING IN INDIANA

Employment For Industry Group By County: 1958

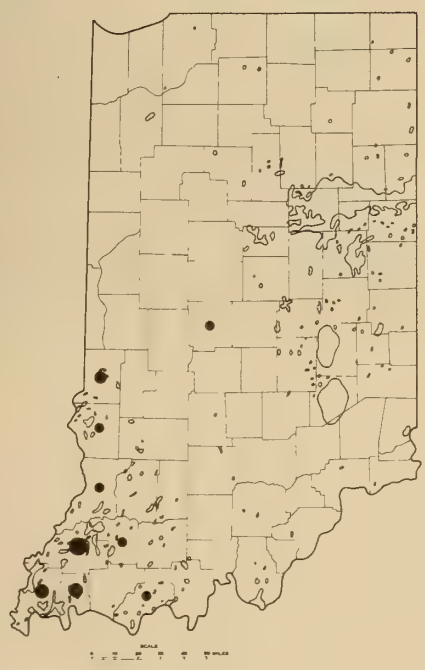
Metal Mining



Coal Mining

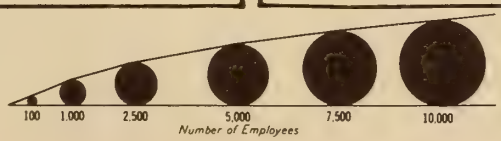


Oil and Gas Extraction



Nonmetallic Minerals Mining

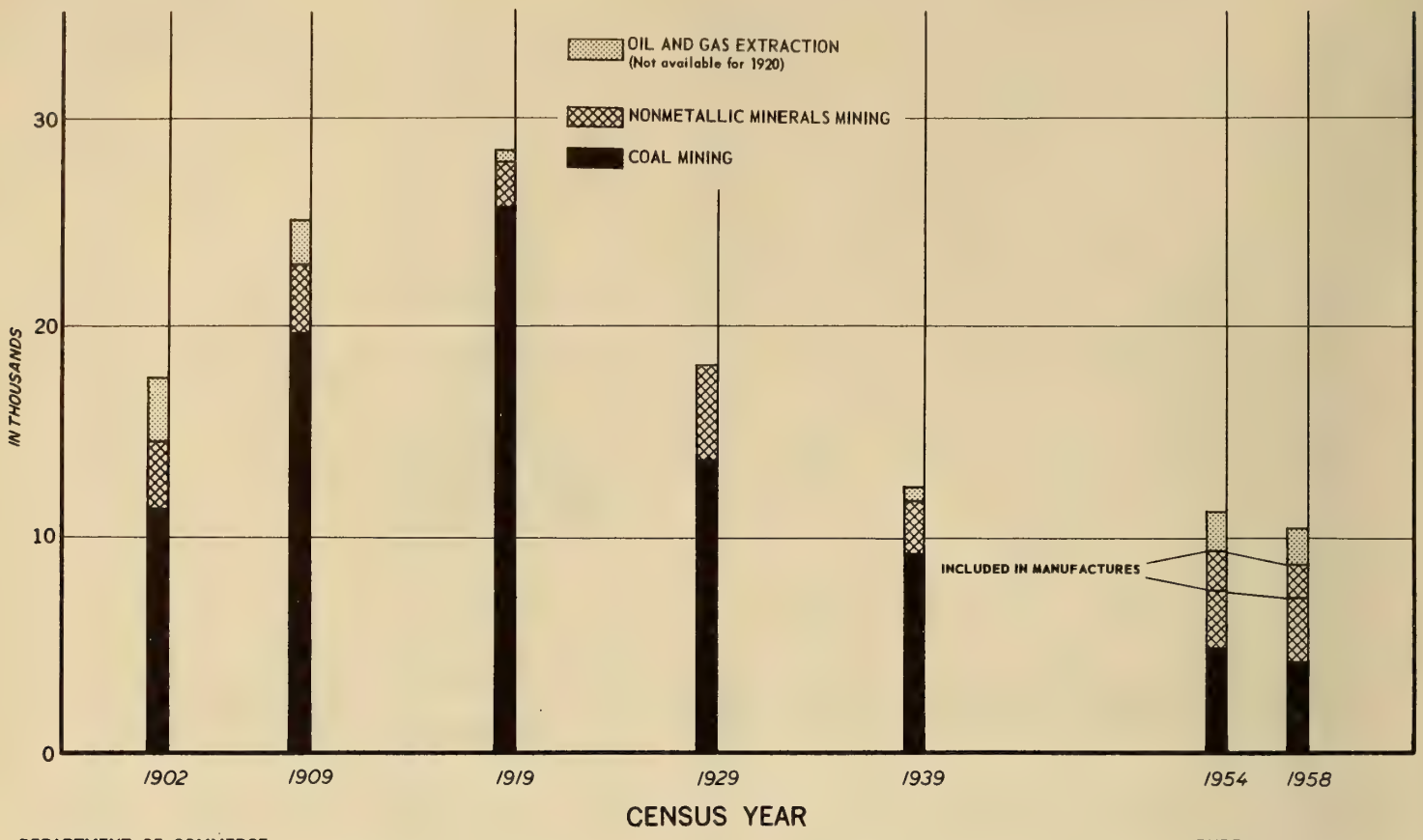




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

INDIANA



DEPARTMENT OF COMMERCE

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Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	720	95	8,768	43,549	7,076	13,069	32,432	102,989	27,967	2,372	6,034	12,479	136,511	15,330	r1,630	230
1954	776	101	9,184	38,153	7,782	14,304	29,866	85,201	22,739	18,418	6,498	12,772	129,720	15,908	1,369	176
Including operations in manufactures: All operations:																
1958	781	109	10,418	50,579	8,591	15,783	38,547	117,928	[2]30,468	2,372	[2]6,220	[3]12,922	154,118	[3]15,792	r[3]1,724	r201
1954[4]	815	113	11,039	45,112	9,576	17,863	36,443	98,331	[2]25,502	18,429	[2]6,589	[3]13,270	145,816	[3]16,305	[3]1,506	157
1939[5]	[6]576	(NA)	12,396	15,854	11,398	18,542	13,671	28,094	7,955	(NA)	1,338	(NA)	37,387	(NA)	1,888	166
1919[7]	503	(NA)	28,399	34,271	26,751	(NA)	30,193	44,065	8,384	51	340	(NA)	52,840	(NA)	[8]6,107	228
1909[7]	1,035	(NA)	25,057	15,895	23,952	(NA)	14,793	19,210	2,399	23	302	(NA)	21,934	(NA)	(NA)	(NA)
1902[9]	[6]3,975	(NA)	17,512	11,826	[10]15,906	(NA)	10,463	21,353	3,400	(NA)	2,186	(NA)	26,939	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	429	95	8,769	43,619	7,381	13,779	34,478	89,134	[2]24,557	2,372	[2]1,894	[3]10,726	117,943	[3]10,740	r[3]1,254	r170
1954[4]	486	99	9,315	38,828	8,308	15,745	32,714	75,016	[2]20,404	18,429	[2]1,063	[3]10,871	115,129	[3]10,654	[3]1,140	137
1939[5]	[6]453	(NA)	11,663	14,833	10,832	17,558	13,040	r27,147	7,690	(NA)	133	(NA)	34,970	(NA)	1,766	163
1929[11]	399	(NA)	17,984	26,449	16,742	(NA)	23,376	40,995	7,884	(NA)	114	1,596	48,993	(NA)	3,643	218
1919[7]	372	(NA)	27,878	33,633	26,348	(NA)	29,717	42,064	8,046	...	126	(NA)	50,236	(NA)	[8]5,945	226
1909[7]	388	(NA)	22,905	14,834	22,577	(NA)	13,966	16,785	1,904	...	20	(NA)	18,709	(NA)	(NA)	(NA)
1902[9]	[6]516	(NA)	14,413	9,603	[10]13,504	(NA)	8,830	12,069	1,236	(NA)	27	(NA)	13,332	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing limestone at such operations was $1,119 thousand; this value has been included in the value of shipments and value added in mining. For "All operations," includes data for 1 or 2 oil and gas field hauling operations, with receipts for services amounting to less than $417 thousand; such operations were not classified in the mineral industries for 1958 and 1954. For "Excluding oil and gas extraction industries," except for number of establishments, excludes data for 1 mining services establishment.

[6]Represents number of mines and quarries and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[7]Excludes data for sand and gravel operations and stone quarries operated as parts of cement and lime establishments. In 1929 there were 58 such sand and gravel establishments with products valued at $4,453 thousand; 4 such stone quarries at cement plants with products valued at $535 thousand; and 1 such stone quarry at a lime plant. See also footnote 11. For "Excluding oil and gas extraction industries" in 1909, except for number of establishments, excludes data for 1 nonproducing establishment.

[8]Excludes purchased electricity. For "All operations"in 1939, the quantity of purchased electricity amounted to 5 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to only 3 percent.

[9]Excludes data for sand and gravel and common clay and shale operations and for stone quarries at cement plants. Includes data for lime plants producing lime valued at $312 thousand. For "Excluding oil and gas extraction industries," excludes data for nonproducing establishments.

[10]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[11]Excludes data for common clay and shale establishments. For 1939, the value of products of such establishments was $154 thousand.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	781	109	10,418	50,579	8,591	15,783	38,547	117,928	[1]51,982	154,118	[2]15,792	[3]11,039	[3]98,331
	Mineral industries	720	95	8,768	43,549	7,076	13,069	32,432	102,989	48,852	136,511	15,330	9,184	85,201
	Included in manufactures	61	14	[4]1,650	[4]7,030	[4]1,515	2,714	6,115	14,939	[1]3,130	[4]17,607	[2]462	[3]1,855	[3]13,130
12	Bituminous coal mining	91	34	4,105	22,858	3,412	5,726	18,218	44,289	21,570	61,060	4,799	4,747	39,598
1211	Bituminous coal	88	34	4,104	22,853	3,411	5,724	18,213	44,268	21,542	61,014	4,796	4,744	39,588
13	Oil and gas extraction	352	14	1,649	6,960	1,210	2,004	4,069	28,794	12,433	36,175	5,052	1,724	23,315
1311	Crude petroleum and natural gas	266	12	1,179	5,347	787	1,299	2,737	25,323	10,716	31,361	4,678	1,238	19,951
138	Oil and gas field services	86	2	470	1,613	423	705	1,332	3,471	1,717	4,814	374	486	3,364
1381	Drilling oil and gas wells	64	2	384	1,366	348	586	1,114	2,959	1,527	4,124	362	336	2,330
	Nonmetallic minerals mining	338	61	4,664	20,761	3,969	8,053	16,260	44,845	[1]17,979	56,883	[2]5,941	[3]4,568	[3]35,418
14	Mineral industries[5]	277	47	3,014	13,731	2,454	5,339	10,145	29,906	14,849	39,276	5,479	2,713	22,288
	Included in manufactures	61	14	[4]1,650	[4]7,030	[4]1,515	2,714	6,115	14,939	[1]3,130	[4]17,607	[2]462	[3]1,855	[3]13,130
	Dimension stone	29	16	1,767	7,494	1,580	2,811	6,157	11,399	2,824	13,487	736	1,912	11,748
1411	Mineral industry	17	7	398	1,705	346	657	1,283	2,951	658	3,335	274	272	1,866
	Included in manufactures	12	9	1,369	5,789	1,234	2,154	4,874	8,448	2,166	10,152	462	1,640	9,882
	Dimension limestone	23	14	1,669	7,148	1,491	2,675	5,886	10,659	2,453	12,568	544	1,862	11,399
	Mineral subindustry	14	6	343	1,500	298	573	1,120	2,506	500	2,758	248	222	1,517
	Included in manufactures	9	8	1,326	5,648	1,193	2,102	4,766	8,153	1,953	9,810	296	1,640	9,882
	Dimension stone, nec	6	2	98	346	89	136	271	740	371	919	192	50	349
	Mineral subindustry	3	1	55	205	48	84	163	445	158	577	26	50	349
1421	Crushed and broken stone (mineral industry only)	67	26	1,169	5,196	988	2,132	4,021	12,989	7,519	17,176	3,332	[6]1,189	[6]10,662
	Crushed and broken limestone (mineral subindustry only)	62	24	1,045	4,790	889	1,958	3,709	12,241	7,053	16,181	3,113	1,082	8,495
	Sand and gravel	195	14	1,407	6,652	1,112	2,510	4,759	14,130	[1]6,030	18,514	[2]1,646	(NA)	(NA)
1441	Mineral industry	178	13	1,335	6,377	1,040	2,367	4,484	12,917	5,937	17,208	1,646	1,265	10,952
	Included in manufactures	17	1	[4]72	[4]275	[4]72	143	275	1,213	[1]93	[4]1,306	(NA)	(NA)	(NA)
	Clay and related minerals	34	1	142	603	121	282	566	1,572	[1]825	2,260	[2]137	188	1,985
145	Mineral industries	7	1	66	289	45	130	252	659	518	1,040	137		
	Included in manufactures	27	...	[4]76	[4]314	[4]76	152	314	913	[1]307	[4]1,220	(NA)	188	1,985
	Clay and related minerals, nec	25	1	[4]111	[4]447	[4]105	214	422	1,121	[1]510	[4]1,540	[2]91	118	1,276

NA Not available.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[2]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[3]Excludes data for sand and gravel mining operations in manufacturing establishments.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[5]Except for number of establishments, includes figures for the Indiana operations of one service establishment primarily engaged in metal mining services in other States.

[6]Includes data for mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	48,852	27,967	2,372	6,034	12,479	15,330	2,262	13,068	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	21,570	[3]14,587	([3])	775	6,208	4,799	97	4,702	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	21,542	[3]14,559	([3])	775	6,208	4,796	97	4,699	15,047	58,071	12	45
13	Oil and gas extraction.....	12,433	5,911	...	4,326	2,196	5,052	2,011	3,041	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas.....	10,716	4,700	...	4,173	1,843	4,678	1,971	2,707	[4]10,309	30,771	[5]93	271
138	Oil and gas field services.....	1,717	1,211	...	153	353	374	40	334	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	1,527	1,037	...	139	351	362	40	322	xxx	[6]4,134	xxx	([6])
14	Nonmetallic minerals mining.....	14,849	[3]9,841	([3])	933	4,075	5,479	154	5,325	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	7,519	[3]4,789	([3])	286	2,444	3,332	119	3,213	11,979	16,871	[7]2,268	[7]2,468
	Crushed and broken limestone.	7,053	[3]4,650	([3])	243	2,250	3,113	114	2,999	11,458	15,824	[7]2,179	[7]2,425
1441	Sand and gravel.....	5,937	[3]4,142	([3])	507	1,288	1,646	22	1,624	17,412	[8]17,209	[7]1,368	([8])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for cost of minerals received for preparation are included with those for cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum shipped or used. In addition, 467 million cubic feet of natural gas were shipped, valued at $62 thousand; this value is included in the succeeding column.

[5]Represents thousands of barrels of crude petroleum shipped or used.

[6]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[7]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[8]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. See also footnote 7.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	629	612	383	24	83	276	226	22	186	18	3	17
	Number of employees	8,281	8,268	2,148	136	816	1,196	6,052	2,169	3,581	302	68	13
	Value added in mining...$1,000	99,255	100,351	39,214	585	12,636	25,993	60,729	14,874	43,644	2,211	408	(3)
1211	Bituminous coal:												
	Number of establishments	88	86	43	20	23	...	42	21	21	...	1	2
	Number of employees	4,104	(D)	(D)	(D)	283	...	(D)	(D)	1,493	...	(D)	(D)
	Value added in mining...$1,000	44,268	(D)	(D)	(D)	8,533	...	(D)	(D)	21,340	...	(D)	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments	266	252	252	...	...	252	...	...	...	...	...	14
	Number of employees	1,179	1,169	1,169	...	...	1,169	...	...	...	...	...	10
	Value added in mining...$1,000	25,323	25,419	25,419	...	...	25,419	...	...	...	...	...	(3)
14	Nonmetallic minerals mining:												
	Number of establishments	275	274	88	4	60	24	184	1	165	18	2	1
	Number of employees	2,998	(D)	(D)	(D)	533	27	(D)	(D)	2,088	302	(D)	(D)
	Value added in mining...$1,000	29,664	(D)	(D)	(D)	4,103	574	(D)	(D)	22,304	2,211	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	67	67	6	3	3	...	59	1	58	...	2	...
	Number of employees	1,169	1,169	(D)	(D)	31	...	(D)	(D)	1,098	...	(D)	...
	Value added in mining...$1,000	12,989	12,989	(D)	(D)	268	...	(D)	(D)	12,301	...	(D)	...
	Crushed and broken limestone:												
	Number of establishments	62	62	5	1	4	...	56	1	55	...	1	...
	Number of employees	1,045	1,045	(D)	(D)	(D)	...	(D)	(D)	988	...	(D)	...
	Value added in mining...$1,000	12,241	12,241	(D)	(D)	(D)	...	(D)	(D)	11,643	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	178	178	60	...	36	24	118	...	100	18	...	...
	Number of employees	1,335	1,335	94	...	67	27	1,241	...	939	302	...	...
	Value added in mining...$1,000	12,917	12,917	1,067	...	493	574	11,850	...	9,639	2,211	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 19 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 8 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the capital expenses.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	INDIANA:													
	All mineral operations	781	109	10,418	50,579	8,591	15,783	38,547	117,928	[3]51,982	[4]154,118	[5]15,792	11,039	98,331
	Mineral industries	720	95	8,768	43,549	7,076	13,069	32,432	102,989	48,852	136,511	15,330	9,184	85,201
	Included in manufactures	61	14	[6]1,650	[6]7,030	[6]1,515	2,714	6,115	14,939	[3]3,130	[4]17,607	[5]462	[6]1,855	13,130
	COUNTIES													
	Adams (including operations in manufactures)	6	...	[6]53	[6]222	[6]47	101	197	463	[3]155	[4]573	[5]45	50	293
144	Allen	5	1	57	303	20	39	95	613	294	860	47	89	642
14	Clark (mineral industries only)	5	1	56	285	50	111	226	590	337	806	121	77	728
	Clay (mineral industries only)	19	3	284	1,476	(NA)	(NA)	(NA)	(NA)	(NA)	4,404	(NA)	[7]378	(NA)
1211	Bituminous coal mining	12	3	233	1,253	193	311	1,034	2,907	834	3,678	63	345	3,063
	Daviess	7	1	46	118	(NA)	(NA)	(NA)	(NA)	(NA)	203	(NA)	[7]70	(NA)
142	Decatur	4	2	50	156	46	80	137	367	(D)	577	(D)	37	165
144	De Kalb	7	...	19	79	17	36	72	205	27	214	18	17	172
	Delaware	9	1	67	352	52	92	248	871	424	1,168	127	88	685
	Dubois (mineral industries only)	9	...	14	55	(NA)	(NA)	(NA)	(NA)	(NA)	117	(NA)	[7]24	(NA)
144	Elkhart (mineral industries only)	4	...	21	114	17	39	85	236	73	299	10	28	270
	Fountain (including operations in manufactures)	7	1	[6]49	[6]296	[6]39	76	188	473	(D)	[4]623	(D)	[8]43	[8]359
	Gibson	126	3	643	2,658	(NA)	(NA)	(NA)	(NA)	(NA)	13,662	(NA)	[7]631	(NA)
131	Crude petroleum and natural gas	79	2	255	1,141	(NA)	(NA)	(NA)	(NA)	(NA)	9,961	(NA)	267	(NA)
14	Hamilton	8	...	37	161	30	65	124	662	(D)	800	(D)	33	293
142	Harrison	4	...	35	102	35	53	102	377	258	325	310	23	123
	Hendricks (mineral industries only)	4	...	43	211	(NA)	(NA)	(NA)	(NA)	(NA)	627	(NA)	(NA)	(NA)
144	Henry (mineral industries only)	7	...	17	113	14	39	73	85	136	122	99	12	(NA)
14	Howard	3	1	45	102	44	38	97	424	183	577	30	32	294
	Jackson (including operations in manufactures)	5	...	[6]14	[6]47	[6]14	24	47	153	[3]35	[4]167	[5]21	[8]22	[8]163
	Jay (mineral industries only)	5	...	4	18	(NA)	(NA)	(NA)	(NA)	(NA)	20	(NA)	16	83
	Knox (mineral industries only)	33	5	495	2,567	(NA)	(NA)	(NA)	(NA)	(NA)	5,796	(NA)	[7]553	(NA)
1211	Bituminous coal mining	7	5	437	2,331	389	616	1,970	3,861	1,332	4,909	284	494	3,788
	Lake (mineral industries only)	4	...	25	110	18	24	75	143	(D)	424	(D)	12	134
	Lawrence, total	16	8	985	4,125	890	1,509	3,534	6,485	2,064	8,069	480	(NA)	(NA)
14	Mineral industries	9	4	151	640	128	194	538	1,150	882	1,700	332	97	785
	Included in manufactures	7	4	834	3,485	762	1,315	2,996	5,335	1,182	6,369	148	(NA)	(NA)
14	Madison	9	1	54	325	45	120	260	729	323	893	159	57	543
	Marion (mineral industries only)	12	2	256	1,684	107	254	551	1,828	737	2,468	97	354	2,142
144	Marshall	6	...	3	15	3	8	15	105	43	124	24	(NA)	(NA)
	Martin (including operations in manufactures)	6	2	69	320	68	135	313	2,857	(D)	3,163	(D)	[8]26	(NA)
	Monroe, total	17	10	835	3,722	730	1,380	2,925	6,222	1,346	7,051	517	1,166	8,016
	Mineral industries	11	5	302	1,383	260	442	1,012	2,667	437	2,771	333	204	1,488
	Included in manufactures (dimension stone)	6	5	533	2,339	470	938	1,913	3,555	909	4,280	184	962	6,528
	Morgan:													
	Including operations in manufactures	9	1	37	157	34	76	144	503	(D)	744	(D)	(NA)	(NA)
14	Mineral industries only	6	1	30	130	27	61	117	359	(D)	576	(D)	13	81
144	Noble	5	...	35	149	32	72	133	251	33	247	37	(NA)	(NA)
14	Orange	7	2	101	366	78	159	271	557	393	839	111	50	220
	Owen	6	2	113	634	99	182	440	1,316	647	1,641	322	125	894

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Parke (mineral industries only)	6	...	30	159	29	66	154	329	105	419	15	41	382
	Pike, total	66	4	671	4,100	(NA)	(NA)	(NA)	(NA)	(NA)	14,144	(NA)	[7]627	(NA)
12	Bituminous coal mining	9	3	551	3,582	464	843	2,935	8,035	2,125	9,947	213	525	6,282
13	Oil and gas extraction	57	1	120	518	(NA)	(NA)	(NA)	(NA)	(NA)	4,197	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	39	1	102	456	(NA)	(NA)	(NA)	(NA)	(NA)	3,626	(NA)	102	(NA)
144	Porter	4	...	16	71	10	30	46	230	76	289	17	16	186
	Posey	126	...	293	1,200	(NA)	(NA)	(NA)	(NA)	(NA)	10,493	(NA)	[7]267	(NA)
13	Oil and gas extraction, total	123	...	281	1,168	(NA)	(NA)	(NA)	(NA)	(NA)	10,403	(NA)	[7]256	(NA)
131	Crude petroleum and natural gas	84	...	196	876	(NA)	(NA)	(NA)	(NA)	(NA)	9,229	(NA)	256	(NA)
138	Oil and gas field services	39	...	85	292	(NA)	(NA)	(NA)	(NA)	(NA)	1,174	(NA)	(NA)	(NA)
14	Putnam (minerals industries only)	7	2	75	383	68	153	298	959	(D)	1,510	(D)	79	849
	Randolph	8	...	46	189	(NA)	(NA)	(NA)	(NA)	(NA)	592	(NA)	19	115
14	St. Joseph (mineral industries only)	4	...	34	186	30	64	165	399	279	658	20	41	425
	Shelby (including operations in manufactures)	6	1	60	233	60	120	233	686	174	779	81	67	469
	Spencer	40	1	96	424	(NA)	(NA)	(NA)	(NA)	(NA)	1,459	(NA)	[7]38	(NA)
	Sullivan	28	3	390	2,034	(NA)	(NA)	(NA)	(NA)	(NA)	5,206	(NA)	[7]569	(NA)
12	Bituminous coal mining	7	3	340	1,803	288	460	1,484	3,105	1,005	4,046	64	486	3,309
	Vanderburgh (mineral industries only)	58	3	311	1,242	(NA)	(NA)	(NA)	(NA)	(NA)	4,692	(NA)	[7]236	(NA)
131	Crude petroleum and natural gas	40	1	196	876	(NA)	(NA)	(NA)	(NA)	(NA)	3,881	(NA)	(NA)	(NA)
	Vermillion (mineral industries only)	5	2	83	396	75	141	349	805	(D)	1,129	(D)	183	1,183
	Vigo (mineral industries only)	26	8	1,165	6,504	(NA)	(NA)	(NA)	(NA)	(NA)	13,136	(NA)	[7]1,222	(NA)
1211	Bituminous coal mining	10	5	964	5,618	855	1,536	4,833	8,690	3,383	11,805	268	1,006	7,263
	Wabash (mineral industries only)	4	...	11	44	(NA)	(NA)	(NA)	(NA)	(NA)	74	(NA)	[7]10	(NA)
	Warrick	20	6	671	3,576	(NA)	(NA)	(NA)	(NA)	(NA)	16,402	(NA)	[7]863	(NA)
12	Bituminous coal mining	17	5	627	3,421	570	965	2,984	12,035	7,625	16,045	3,615	843	9,526
	Wayne (including operations in manufactures)	3	1	[6]40	[6]164	[6]36	69	153	520	[3]82	[4]602	(NA)	[6]60	464
13	Undistributed (oil and gas extraction)	54	...	268	1,186	(NA)	(NA)	(NA)	(NA)	(NA)	1,979	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	19	...	220	983	(NA)	(NA)	(NA)	(NA)	(NA)	1,393	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]See table 2A, footnote 4.
[7]Excludes data for Oil and Gas Field Services Industries.
[8]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Indiana, total.....	781	720	61	...	...	...	...	...	...	...	...	88	3	266	...	86	17	12	67	3	178	17	7	27	...	2	6	2
No employees.....	93	91	2	...	...	...	...	...	...	...	...	4	3	41	...	5	...	...	3	...	33	1	2	1	...	...	...	...
0-4 employees.....	356	321	35	...	...	...	...	...	...	...	...	24	...	169	...	47	5	...	5	...	68	13	...	22	...	...	3	...
5-9 employees.....	111	106	5	...	...	...	...	...	...	...	...	16	...	30	...	19	1	1	9	1	25	1	2	2	...	2	2	...
10-19 employees...	112	107	5	...	...	...	...	...	...	...	...	10	...	14	...	13	4	2	24	...	39	1	2	2	...	...	1	...
20-49 employees...	76	69	7	...	...	...	...	...	...	...	...	13	...	10	...	2	6	2	25	2	12	1	1	...	...	...	...	2
50-99 employees...	13	11	2	...	...	...	...	...	...	...	...	8	...	1	...	...	...	2	1	...	1	...	...	...	...	...	...	...
100-249 employees.	15	11	4	...	...	...	...	...	...	...	...	9	...	1	...	...	1	4	...	...	...	...	...	...	...	...	...	...
250-499 employees.	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	2	...	1	...	...	...	...
Allen:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Bartholomew:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Blackford:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Boone:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clark:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	1	...	1	...	1	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	20	16	4	...	...	...	...	...	...	...	...	9	...	1	...	1	...	...	...	...	...	...	5	4	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Crawford:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Daviess:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dearborn:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Decatur:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
De Kalb:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Delaware:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	5	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Dubois:																												
0-19 employees....	11	9	2	...	...	...	...	...	...	...	...	4	...	3	...	...	...	...	...	...	1	...	1	2	...	...	...	...
Elkhart:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	...
Floyd:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Fountain:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	2	...	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Fulton:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Gibson:																												
0-19 employees....	123	123	...	...	...	...	...	...	...	...	...	2	...	77	...	43	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Greene:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hamilton:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	1	1	...
Hancock:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Harrison:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Hendricks:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	1	...	...	...	...	...	...
Henry:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	1	...	...	...	...	...	...
Howard:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Huntington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	2	...	...	...	...	...	...	...
Jackson:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	2	...	...	...	...
Jasper:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jay:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	1	...	...	...	1	...	...
Jefferson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...
Jennings:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
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COUNTIES—Continued																											
Knox:																											
0-19 employees....	29	28	1	...	...	...	...	...	...	...	...	2	...	13	...	9	...	...	...	...	4	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kosciusko:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...
Lagrange:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Lake:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	1	...	...	...	...
La Porte:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees....	8	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	1	1	...	...	1	...	1	...	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	...	...	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	6	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	11	10	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	9	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...
Martin:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Miami:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	1	5	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	1	...	...	...	...	...	...	...	...	...
100-249 employees.	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...
Montgomery:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...
Morgan:																											
0-19 employees....	8	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	3	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Newton:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Noble:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
Orange:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Owen:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Parke:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	2	...	...	1	...	...	...	...
Perry:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Pike:																											
0-19 employees	62	62	...	...	...	...	...	...	...	...	...	5	1	38	...	18	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Porter:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Posey:																											
0-19 employees	126	126	...	...	...	...	...	...	...	...	...	...	...	84	...	39	...	...	...	...	3	...	...	...	...	...	...	...
Pulaski:																											
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Putnam:																											
0-19 employees	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	...	...	1	...	1	...	...
20-99 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
Randolph:																											
0-19 employees	8	8	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	4	...	...	...	...	1	...	...
Ripley:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Rush:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
St. Joseph:																											
0-19 employees	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	1	...	...	...	...	...	...
Scott:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...
Shelby:																											
0-19 employees	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	1	...	...	...	1	...	...
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Spencer:																											
0-19 employees	39	39	...	...	...	...	...	...	...	...	...	2	...	20	...	15	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Starke:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Steuben:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Sullivan:																											
0-19 employees	25	25	...	...	...	...	...	...	...	...	...	4	...	6	...	12	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Switzerland:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Tippecanoe:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Vanderburgh:																											
0-19 employees	56	55	1	...	...	...	...	...	...	...	...	...	...	39	...	15	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Vermillion:																											
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Vigo:																											
0-19 employees	19	18	1	...	...	...	...	...	...	...	...	5	...	7	...	5	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees	3	3	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
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COUNTIES—Continued																												
Wabash:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	3	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Warrick:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	11	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wells:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...
White:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Whitley:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	54	54	...	...	...	...	...	...	...	...	...	...	...	19	...	35	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

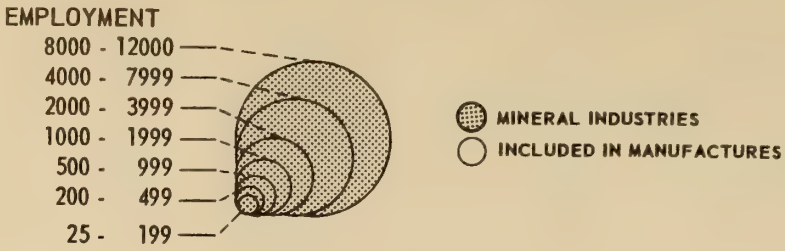
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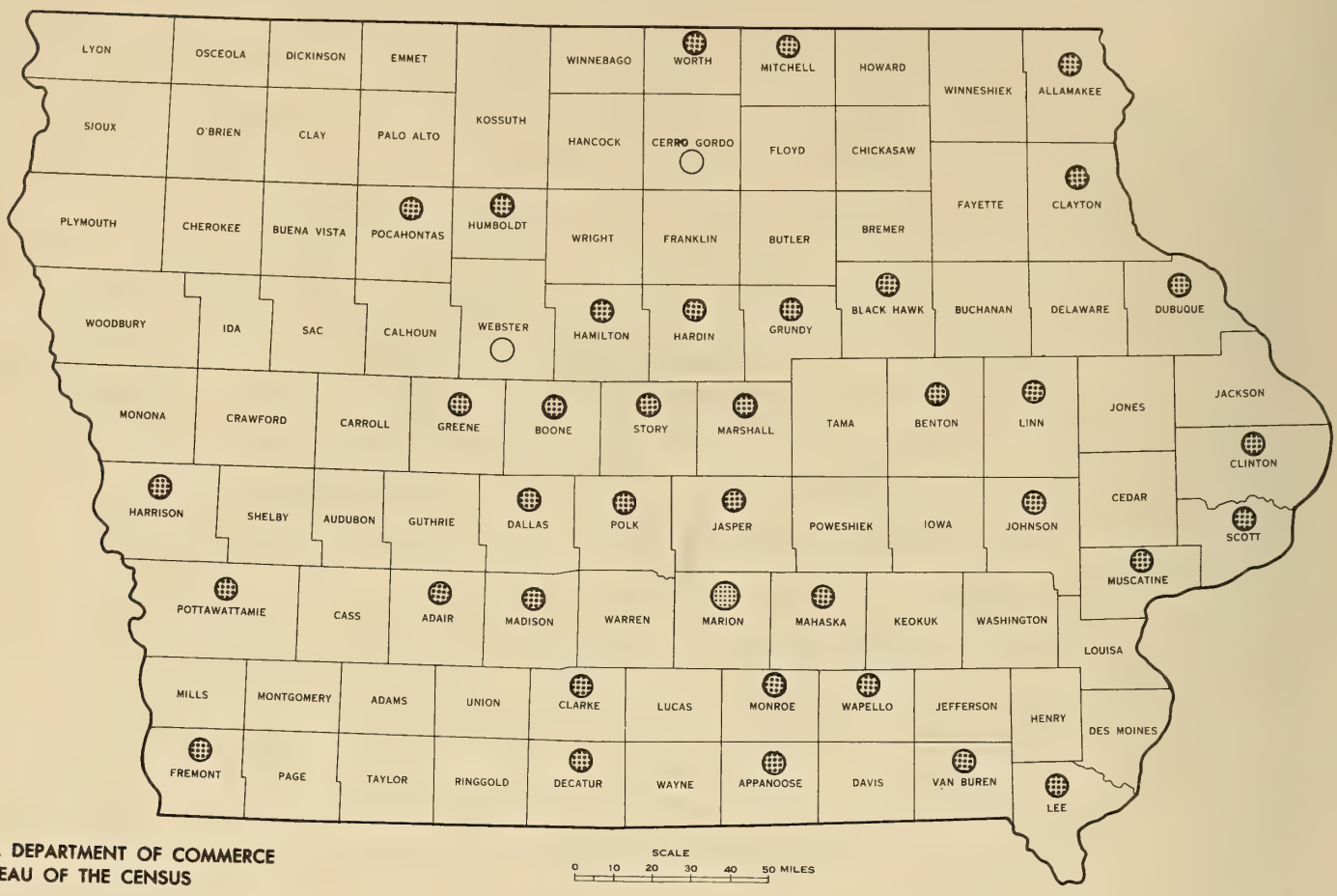
12-1

EMPLOYMENT IN MINING BY COUNTY: 1958

IOWA

RANK AMONG STATES
EMPLOYMENT - 34
VALUE OF SHIPMENTS - 34

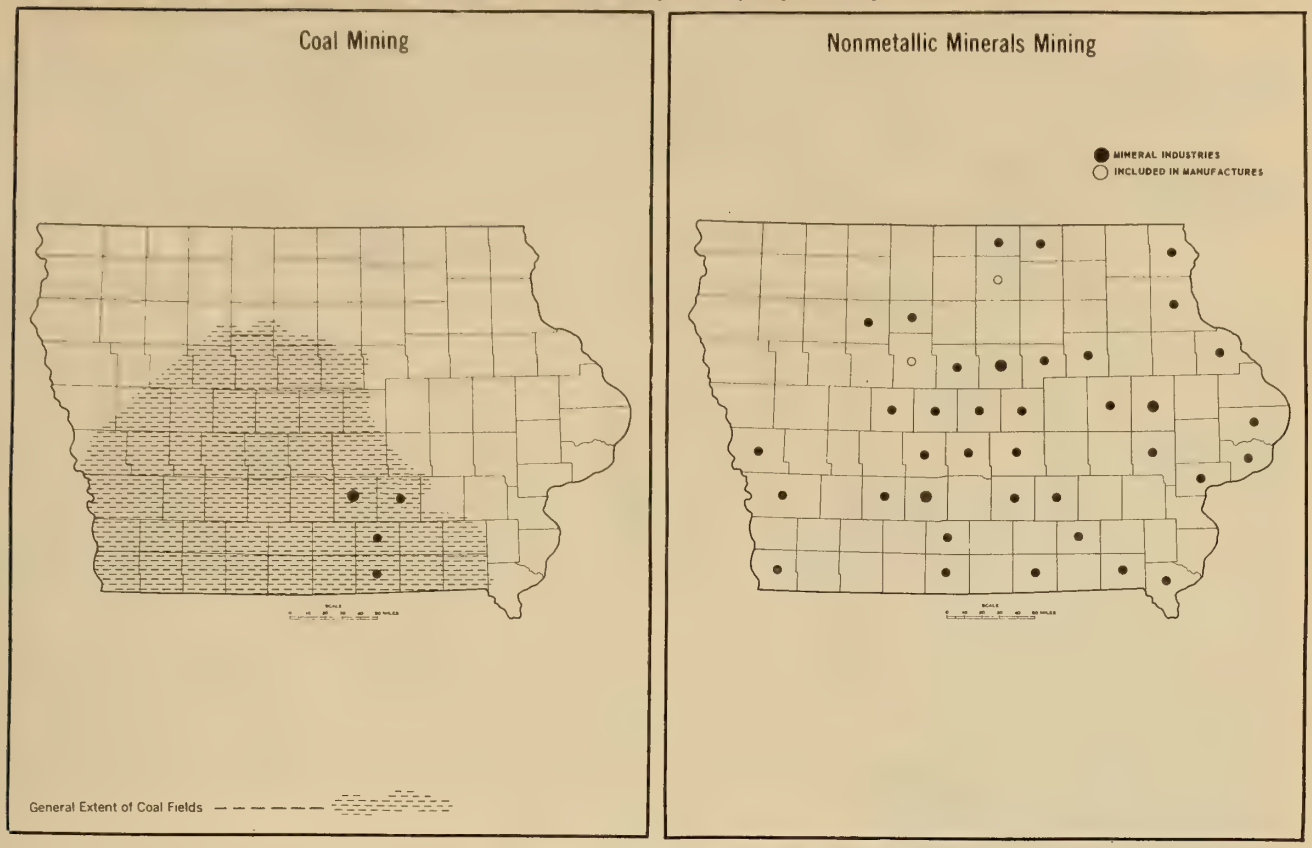




U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN IOWA

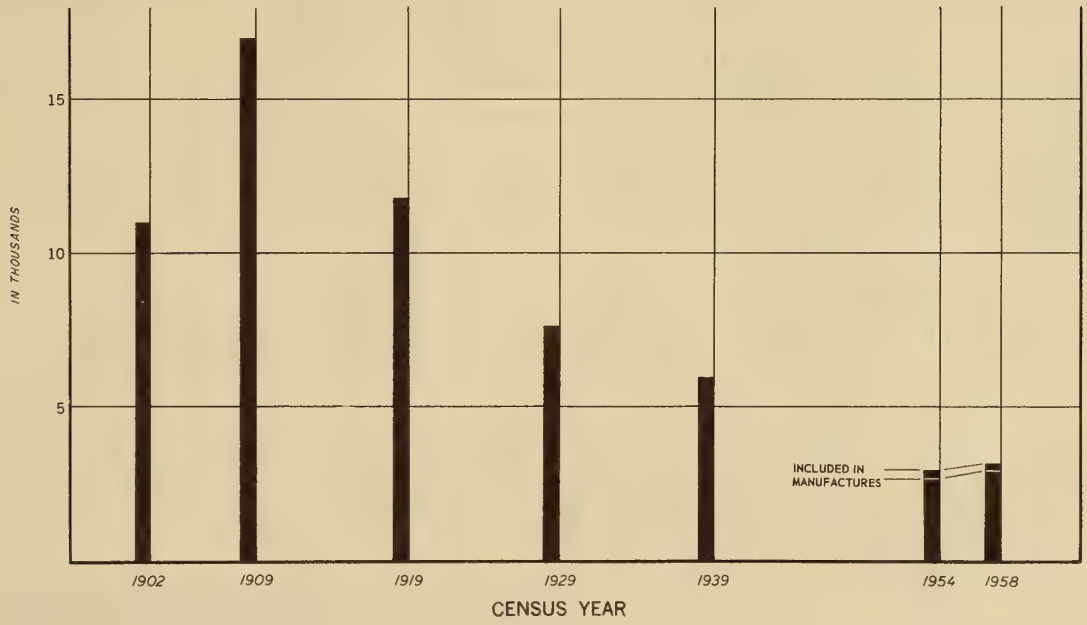
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

IOWA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts [1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	293	40	2,914	12,520	r2,457	5,431	9,763	32,720	11,751	368	2,113	4,467	45,066	6,353	r941	r383
1954	329	26	2,644	9,104	2,347	5,288	7,894	21,513	8,585	14	1,526	3,731	31,564	3,805	682	291
Including operations in manufactures:																
1958	335	44	3,146	13,620	r2,689	5,884	10,863	41,102	[2]12,936	368	[2]2,113	r[3]4,467	54,633	r[3]6,353	r[3]941	r350
1954[4]	364	34	2,974	10,505	2,677	6,049	9,295	27,316	[2]10,395	14	[2]1,526	[3]3,731	39,177	[3]3,805	[3]682	255
1939	[5]383	(NA)	5,928	6,059	5,589	8,595	5,489	8,963	1,827	(NA)	54	(NA)	10,844	(NA)	201	36
1929[6]	240	(NA)	7,622	10,430	7,164	(NA)	9,317	14,346	2,556	(NA)	8	424	16,910	(NA)	758	106
1919[7]	198	(NA)	11,834	13,810	11,274	(NA)	12,466	15,620	2,821	...	33	(NA)	18,474	(NA)	[8]1,622	144
1909[7]	402	(NA)	17,020	11,444	16,542	(NA)	10,898	12,296	1,540	...	42	(NA)	13,878	(NA)	(NA)	(NA)
1902[7]	[5]629	(NA)	11,051	7,292	[9]10,439	(NA)	6,791	8,664	963	(NA)	49	(NA)	9,676	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of "Minerals received for preparation." For all other years the figures represent net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments and for 1958 data for dimension stone operations in manufactures.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Represents number of mines and quarries.

[6]Excludes data for common clay and shale and (except for 1902) peat mining operations. There were 20 such mines in 1939 with products valued at $271 thousand. Also, for 1929 and 1919, excludes data for one nonproducing establishment.

[7]Excludes data for sand and gravel mining operations and stone quarries operated as parts of cement establishments. There were 42 such establishments in 1929 with products valued at $3,084 thousand. See also footnote 6.

[8]Excludes purchased electricity. For 1939, the quantity of purchased electricity amounted to only 3 percent of the total kwh equivalent of energy used.

[9]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	335	44	3,146	13,620	r2,689	5,884	10,863	41,102	[2]19,885	54,633	[3]6,354	2,974	27,316
	Mineral industries	293	40	2,914	12,520	r2,457	5,431	9,763	32,720	18,699	45,066	6,353	2,644	21,513
	Included in manufactures	42	4	[4]232	[4]1,100	[4]232	453	1,100	8,382	[2]1,186	[4]9,567	[3]1	[4]330	5,803
12	Bituminous coal mining	62	2	425	1,453	399	771	1,338	3,592	1,841	4,867	566	(NA)	(NA)
1211	Bituminous coal	59	2	421	1,436	395	765	1,321	3,552	1,787	4,779	560	602	3,556
	Nonmetallic minerals mining	273	42	2,721	12,167	r2,290	5,113	9,525	37,510	[2]18,044	49,766	[3]5,788	(NA)	(NA)
14	Mineral industries	231	38	2,489	11,067	r2,058	4,660	8,425	29,128	16,858	40,199	5,787	(NA)	(NA)
	Included in manufactures	42	4	[4]232	[4]1,100	[4]232	453	1,100	8,382	[2]1,186	[4]9,567	[3]1	[4]330	5,803
1421	Crushed and broken stone (mineral industry only)	112	31	1,731	7,807	1,421	3,300	5,725	20,383	13,535	29,461	4,457	[5]1,399	[5]13,176
	Crushed and broken limestone (mineral subindustry only)	108	30	1,691	7,635	1,386	3,221	5,582	20,058	13,049	28,689	4,418	1,266	11,266
	Sand and gravel	123	7	743	3,224	627	1,336	2,676	8,979	3,321	10,991	(NA)	(NA)	(NA)
1441	Mineral industry	111	7	727	3,170	611	1,309	2,622	8,546	3,237	10,474	1,309	674	6,539
	Clay and related minerals: Clay and related minerals, nec	24	...	[4]63	[4]277	[4]62	120	275	871	[2]270	[4]1,140	(NA)	[4]87	646
1492	Miscellaneous minerals, nec: Gypsum (included in manufactures)	4	3	[4]101	[4]425	[4]101	202	425	4,492	[2]420	[4]4,912	(NA)	(NA)	(NA)

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[5]Includes data for mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	18,699	11,751	368	2,113	4,467	6,353	143	6,210	xxx	xxx	xxx	xxx
12	Bituminous coal mining	1,841	971	262	129	479	566	8	558	1,261	[3]4,520	...	...
14	Nonmetallic minerals mining	16,858	10,780	106	1,984	3,988	5,787	135	5,652	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	13,535	8,518	106	1,773	3,138	4,457	128	4,329	19,522	27,369	2,184	3,002
	Crushed and broken limestone	13,049	8,068	106	1,743	3,132	4,418	128	4,290	18,748	26,717	(NA)	(NA)
1441	Sand and gravel	3,237	2,202	...	199	836	1,309	7	1,302	9,607	[4]10,493	675	([4])

NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Represents the value of net shipments of bituminous coal only.
[4]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry.

Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]	Separately operated preparation plants	
	All industries:											
	Number of establishments	290	287	75	16	44	15	212	12	189	11	...	3
	Number of employees	2,910	2,908	423	81	300	42	2,485	153	2,247	85	...	2
	Value added in mining, $1,000	32,680	32,682	5,832	430	3,602	1,800	27,850	598	26,324	928	...	(3)
12	Bituminous coal mining:												
	Number of establishments	59	59	33	16	17	...	26	11	14	1	...	...
	Number of employees	421	421	131	81	50	...	290	(D)	149	(D)	...	...
	Value added in mining, $1,000	3,552	3,552	1,050	430	620	...	2,502	(D)	1,893	(D)	...	...
14	Nonmetallic minerals mining:												
	Number of establishments	231	228	42	...	27	15	186	1	175	10	...	3
	Number of employees	2,489	2,487	423	...	250	42	2,195	(D)	2,098	(D)	...	2
	Value added in mining, $1,000	29,128	29,130	5,832	...	2,982	1,800	25,348	(D)	24,431	(D)	...	(3)
1421	Crushed and broken stone:												
	Number of establishments	112	111	9	...	9	...	102	1	100	1	...	1
	Number of employees	1,731	(D)	173	...	173	...	(D)	(D)	1,517	(D)	...	(D)
	Value added in mining, $1,000	20,383	(D)	2,082	...	2,082	...	(D)	(D)	18,041	(D)	...	(D)
	Crushed and broken limestone:												
	Number of establishments	108	108	8	...	8	...	100	1	98	1	...	...
	Number of employees	1,691	1,691	(D)	...	(D)	...	(D)	(D)	(D)	(D)	...	...
	Value added in mining, $1,000	20,058	20,058	(D)	...	(D)	...	(D)	(D)	(D)	(D)	...	...
1441	Sand and gravel:												
	Number of establishments	111	109	29	...	14	15	80	...	71	9	...	2
	Number of employees	727	(D)	104	...	62	42	(D)	...	565	(D)	...	(D)
	Value added in mining, $1,000	8,546	(D)	2,578	...	778	1,800	(D)	...	6,313	(D)	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 13 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	IOWA:													
	All mineral operations	335	44	3,146	13,620	r2,689	5,884	10,863	41,102	[3]19,885	54,633	[4]6,354	2,974	27,316
	Mineral industries	293	40	2,914	12,520	r2,457	5,431	9,763	32,720	18,699	45,066	6,353	2,644	21,513
	Included in manufactures	42	4	[5]232	[5]1,100	[5]232	453	1,100	8,382	[3]1,186	9,567	[4]1	[5]330	5,803
	COUNTIES													
14	Allamakee	5	1	40	106	37	68	105	256	204	362	98	(NA)	(NA)
	Appanoose (mineral industries only)	15	1	161	458	150	263	416	679	685	1,243	121	[6]191	[6]563
14	Black Hawk (mineral industries only)	6	1	59	234	47	101	184	524	418	822	120	91	481
14	Butler (mineral industries only)	6	...	22	73	18	36	61	253	217	435	35	26	154
14	Clayton	4	1	41	134	37	47	120	328	258	524	62	(NA)	(NA)
14	Dallas (mineral industries only)	6	...	38	172	32	73	138	632	272	754	150	[7]15	[7]75
14	Delaware	4	...	21	80	20	41	77	224	146	282	88	13	131
14	Dubuque (mineral industries only)	4	1	58	184	40	84	162	485	169	545	109	61	479
14	Fayette	4	...	8	10	7	21	7	26	12	35	3	17	117
	Franklin (including operations in manufactures)	5	...	[5]14	[5]44	[5]14	25	44	188	[3]25	213	...	[8]15	[8]219
14	Greene	3	...	36	146	33	81	135	225	(D)	381	(D)	32	407
14	Hardin (mineral industries only)	7	2	186	898	159	250	528	2,590	1,032	3,176	446	44	525
14	Jackson	5	...	23	88	21	45	78	202	216	371	47	17	122
14	Jasper	3	...	26	114	25	46	112	474	117	507	84	(NA)	(NA)
14	Jones	5	...	15	55	13	26	47	124	99	184	39	26	118
14	Linn	9	2	162	1,079	69	158	324	768	710	1,416	62	144	1,349
14	Madison	5	4	162	765	153	317	655	2,435	1,265	3,600	100	61	528
	Mahaska (mineral industries only)	14	...	77	273	69	142	249	779	321	971	129	[7]69	[7]623
	Marion	26	1	205	885	188	408	770	2,437	1,329	3,368	398	218	2,010
12	Bituminous coal mining	19	1	158	670	147	327	590	1,890	947	2,590	247	196	1,684
1211	Bituminous coal	16	1	154	653	143	320	573	1,850	893	2,502	241	196	1,684
14	Mitchell	4	...	31	135	18	46	74	225	286	369	142	35	143
12	Monroe	10	...	53	142	51	82	139	355	44	325	74	75	320
14	Muscatine	4	1	75	279	58	120	200	744	412	1,034	122	62	686
	Polk (mineral industries only)	8	3	124	571	110	185	492	2,096	852	2,616	332	89	997
14	Scott (mineral industries only)	3	1	49	278	42	99	235	568	328	766	130	52	423
	Story (including operations in manufactures)	5	1	[5]45	[5]198	[5]42	85	185	287	[3]202	372	[4]117	(NA)	(NA)
	Van Buren	3	1	44	181	39	87	147	462	567	662	367	65	340
	Wapello (mineral industries only)	7	...	44	190	37	74	166	554	230	604	180	(NA)	(NA)
	Webster, total	12	3	140	595	136	274	578	4,738	[3]704	5,369	[4]73	(NA)	(NA)
14	Mineral industries	4	...	23	111	19	38	94	137	243	307	73	18	161
	Included in manufactures	8	3	[5]117	[5]484	[5]117	236	484	4,601	[2]461	5,062	(NA)	(NA)	(NA)
	Gypsum	4	3	[5]101	[5]425	[5]101	202	425	4,492	[3]420	4,912	(NA)	(NA)	(NA)
14	Woodbury (mineral industries only)	3	...	17	90	14	24	73	474	68	534	8	(NA)	(NA)
14	Worth	3	...	31	55	17	30	42	173	50	223	...	25	129

D Withheld to avoid disclosing data for individual companies. rRevised.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[5]See table 2A, footnote 4.
[6]Represents bituminous coal mining only.
[7]Includes data for operations in manufacturing industries.
[8]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Iowa, total.....	335	293	42	...	...	...	...	...	...	...	...	59	3	...	...	...	2	1	112	3	111	12	4	22	...	...	2	4
No employees.....	31	26	5	...	...	...	...	...	...	...	...	9	1	...	...	...	...	...	8	...	6	3	1	2	...	...	1	...
0-4 employees.....	125	100	25	...	...	...	...	...	...	...	...	20	2	...	...	...	1	...	27	...	48	9	2	16	...	...	...	...
5-9 employees.....	76	71	5	...	...	...	...	...	...	...	...	18	...	...	...	...	...	1	16	...	35	...	1	3	...	...	1	1
10-19 employees...	59	56	3	...	...	...	...	...	...	...	...	10	...	...	...	...	1	...	30	2	15	...	...	1	...	...	...	...
20-49 employees...	41	38	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	30	1	7	...	...	...	...	...	...	2
50-99 employees...	2	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adair:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Adams:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Allamakee:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Appanoose:																												
0-19 employees....	15	14	1	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Black Hawk:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Boone:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Bremer:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Buchanan:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Buena Vista:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Butler:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	2	1	...	...	...	...	...	...
Carroll:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Cedar:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Cerro Gordo:																												
0-19 employees....	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Chickasaw:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

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COUNTIES—Continued																												
Clarke:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Clayton:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clinton:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Crawford:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Dallas:																												
0-19 employees....	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	2	...	...	...	...
Davis:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Decatur:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Delaware:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Des Moines:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Dickinson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Dubuque:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Emmet:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Fayette:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
Floyd:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...		...	1	...	...	...	...
Franklin:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	1	...	1	...	...	...	...
Fremont:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Greene:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Grundy:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Guthrie:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hamilton:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hancock:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Hardin:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	3	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Harrison:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...

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COUNTIES—Continued																												
Henry:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Howard:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Humboldt:																												
0-19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Iowa:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jackson:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...
Jasper:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Jefferson:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Johnson:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jones:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	3	...	...	...	...	...	...	...
Keokuk:																												
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...
Lee:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Linn:																												
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	3	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Louisa:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lucas:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Madison:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Mahaska:																												
0-19 employees	15	14	1	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...
Marion:																												
0-19 employees	25	25	...	...	...	...	...	...	...	...	...	15	3	...	...	...	...	...	4	...	3	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Mitchell:																												
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Monona:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Monroe:																												
0-19 employees	10	10	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Montgomery:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...
Muscatine:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

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COUNTIES—Continued																												
O'Brien:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Osceola:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Palo Alto:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Plymouth:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Pocahontas:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Polk:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	...	1	2	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Pottawattamie:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sac:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sioux:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Story:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Tama:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Taylor:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Van Buren:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wapello:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...
Warren:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Washington:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Webster:																												
0-19 employees....	9	4	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	4	...	...	...	1
20-99 employees...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Winnebago:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...
Winneshiek:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Woodbury:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...
Worth:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...

KANSAS

13-1

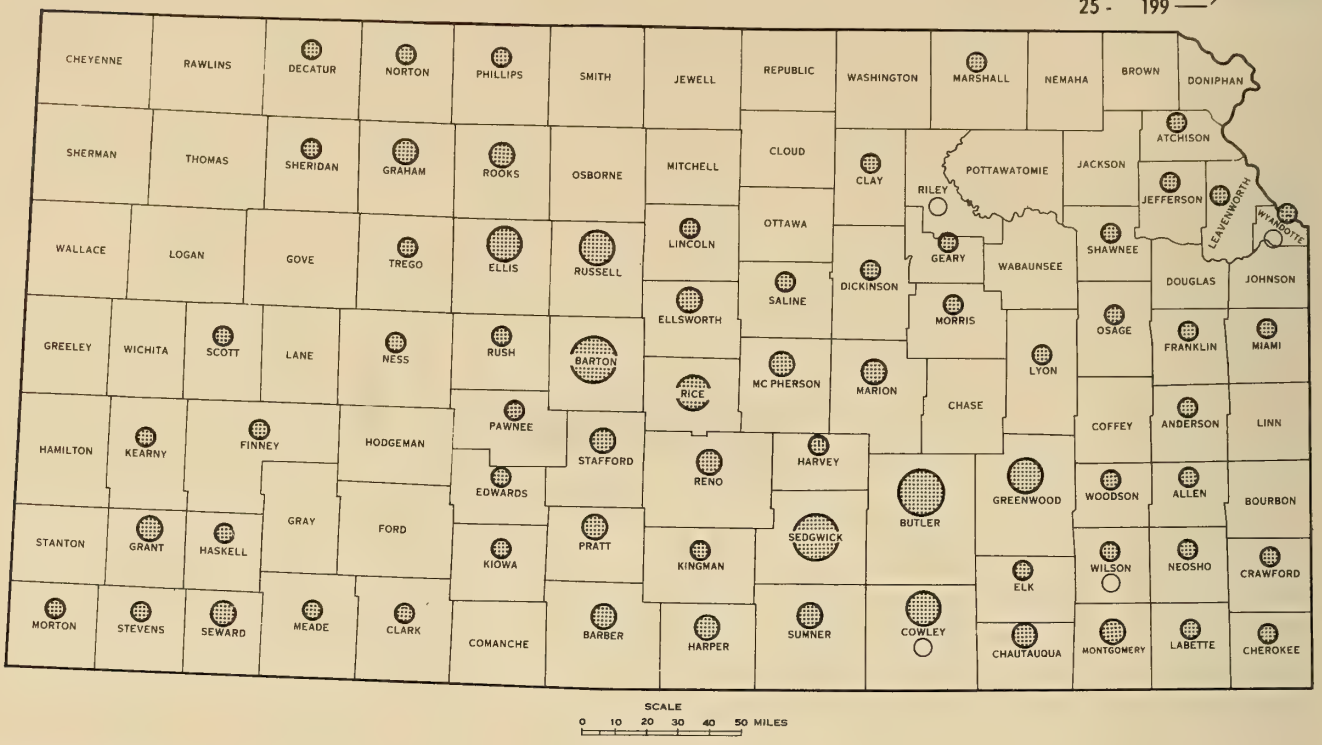
EMPLOYMENT IN MINING BY COUNTY: 1958

KANSAS

RANK AMONG STATES
EMPLOYMENT - 13
VALUE OF SHIPMENTS - 9

EMPLOYMENT
8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES

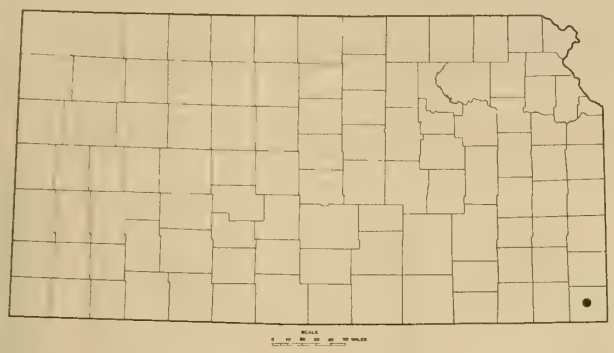


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

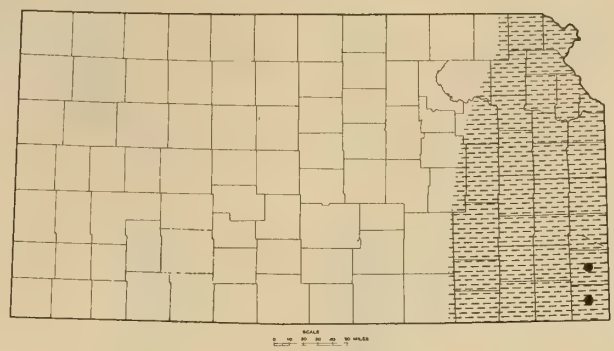
MINING IN KANSAS

Employment For Industry Group By County: 1958

Metal Mining

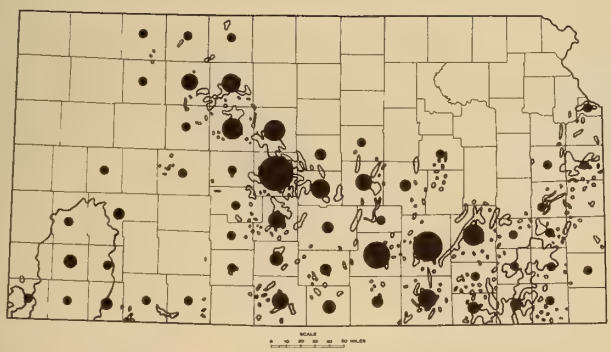


Coal Mining



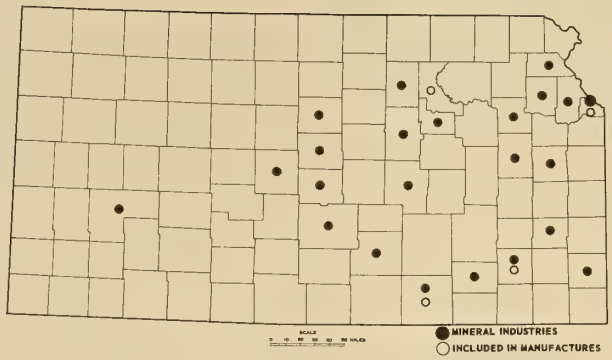
General Extent of Coal Fields

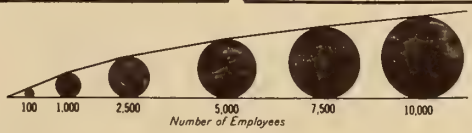
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

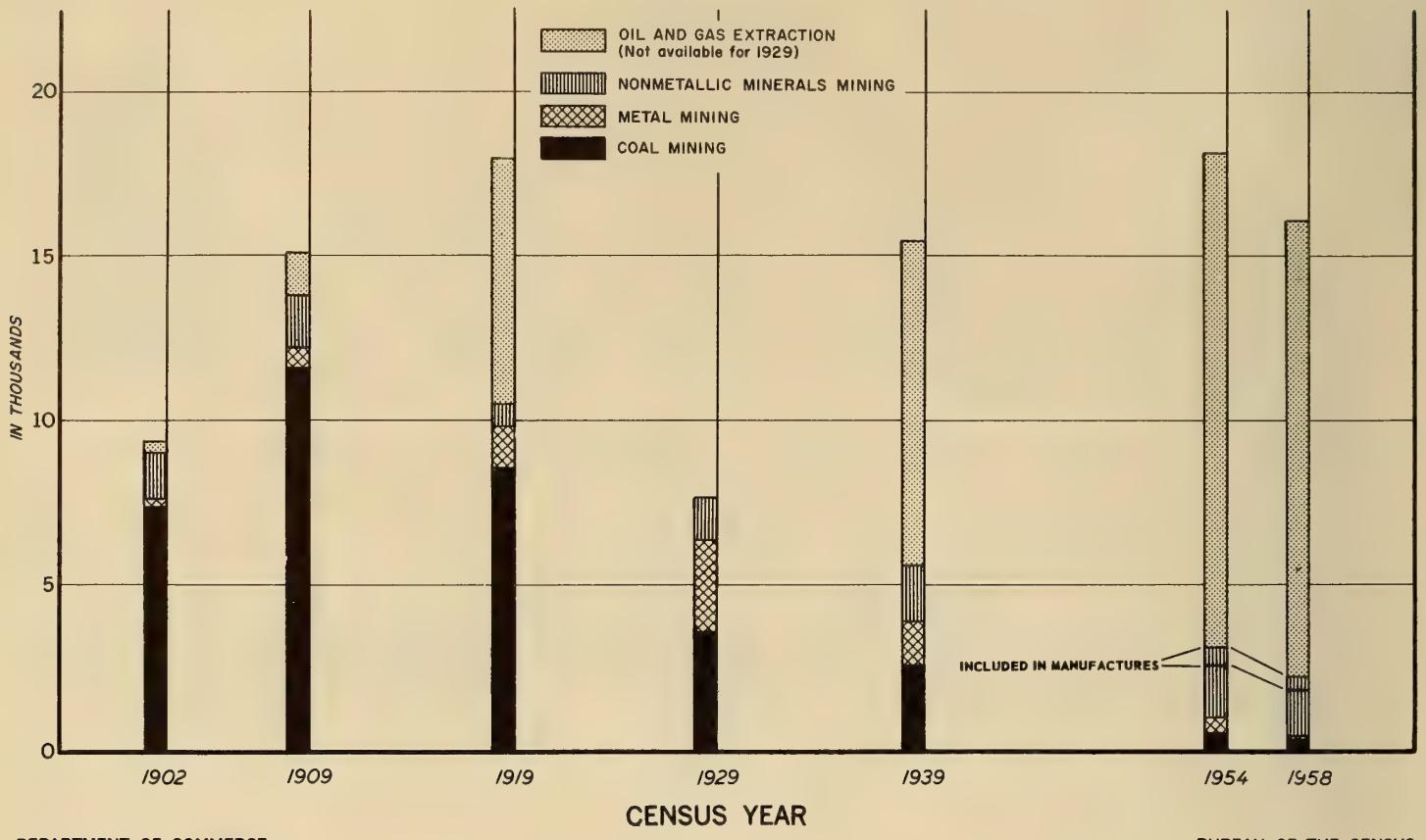




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

KANSAS



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	1,599	189	15,776	73,028	12,603	r25,073	53,455	378,353	77,617	56,074	56,079	31,903	532,690	67,336	r10,829	r859
1954	1,661	216	17,659	70,729	14,948	30,001	56,892	358,699	68,415	[2]2,884	64,604	44,696	456,067	83,231	11,832	792
Including operations in manufactures:																
All operations:																
1958	1,632	194	16,069	74,161	12,887	r25,596	54,559	384,888	[3]78,525	56,074	[3]56,081	[4]31,911	540,135	[4]67,344	[4]10,833	r841
1954[5]	1,689	221	18,046	71,983	15,329	30,768	58,130	362,804	[3]69,605	[2]2,914	[3]64,636	[4]44,721	461,400	[4]83,280	[4]11,839	772
1939[6]	[7]956	(NA)	15,479	20,125	13,827	23,240	16,241	68,518	8,145	(NA)	12,418	(NA)	89,081	(NA)	3,829	277
1919[8]	827	(NA)	17,954	25,356	16,193	(NA)	22,022	48,394	37,583	298	4,063	(NA)	90,338	(NA)	[9]5,327	329
1909[8]	692	(NA)	15,044	10,339	14,357	(NA)	9,650	16,004	1,928	393	398	(NA)	18,723	(NA)	(NA)	(NA)
1902[10]	[7]462	(NA)	9,326	6,230	[11]8,745	(NA)	5,697	8,924	1,465	(NA)	311	(NA)	10,700	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	237	34	2,130	10,053	1,768	r3,686	7,941	25,396	[3]6,955	13	[3]686	[4]2,132	32,696	[4]2,486	r378	r214
1954[5]	296	37	3,032	11,621	2,623	5,648	9,690	25,746	[3]8,682	1,304	[3]1,086	[4]2,459	36,939	[4]2,338	[4]950	362
1939	[7]216	(NA)	5,515	5,597	5,159	9,264	4,903	11,158	3,302	(NA)	74	(NA)	14,534	(NA)	429	83
1929[12]	261	(NA)	7,689	9,493	7,297	(NA)	8,465	17,263	4,987	(NA)	214	980	22,464	(NA)	740	101
1919[8]	204	(NA)	10,456	13,529	9,885	(NA)	12,398	17,528	4,174	11	110	(NA)	21,823	(NA)	[9]1,740	176
1909[8]	475	(NA)	13,756	9,519	13,332	(NA)	9,134	10,738	1,075	123	105	(NA)	12,041	(NA)	(NA)	(NA)
1902[10]	[7]393	(NA)	9,004	5,992	[11]8,499	(NA)	5,522	8,477	1,002	(NA)	104	(NA)	9,583	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958 excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas received for processing, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies,purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Includes data for 4 or less machine-shop contractors with receipts for services amounting to less than $227 thousand. Such contractors were not included in the 1958 and 1954 minerals censuses.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and for stone quarries operated as parts of cement and lime plants. In 1939, there were 54 such mining operations with products valued at $1,235 thousand.

[9]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only 2 percent of the totah kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to 9 percent.

[10]Includes data for 2 cement plants and for lime plants producing lime valued at $7 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12]Excludes data for one nonproducing operation.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	1,632	194	16,069	74,161	12,887	[r]25,596	54,559	384,888	[2]222,591	[3]540,135	[4]67,344	18,046	362,804
	Mineral industries	1,599	189	15,776	73,028	12,603	[r]25,073	53,455	378,353	221,673	532,690	67,336	17,659	358,699
	Included in manufactures	33	5	[3]293	[3]1,133	[3]284	523	1,104	6,535	[2]918	[3]7,445	[4]8	[3]387	4,105
10	Metal mining	17	...	54	262	35	[r]86	172	204	258	453	9	381	2,206
1211	Bituminous coal mining (Bituminous coal)	20	3	252	1,507	204	312	1,088	2,638	947	3,354	231	497	4,271
13	Oil and gas extraction	1,395	160	13,939	64,108	11,119	21,910	46,618	359,492	212,805	507,439	64,858	15,014	337,058
1311	Crude petroleum and natural gas	905	105	9,370	44,634	7,068	13,641	30,085	312,879	135,105	387,950	60,034	9,238	285,117
1321	Natural gas liquids	15	7	328	1,882	275	549	1,533	11,788	57,460	68,630	618	(NA)	(NA)
138	Oil and gas field services	475	48	4,241	17,592	3,776	7,720	15,000	34,825	20,240	50,859	4,206	(NA)	(NA)
1381	Drilling oil and gas wells	233	31	2,570	10,891	2,248	4,486	9,032	22,063	14,287	33,260	3,090	3,650	34,353
1382	Oil and gas exploration services	15	2	188	997	170	350	861	1,756	1,242	2,931	67	179	1,611
1389	Oil and gas field services, nec.	227	15	1,483	5,704	1,358	2,884	5,107	11,006	4,711	14,668	1,049	(NA)	(NA)
	Nonmetallic minerals mining	200	31	1,824	8,284	1,529	3,288	6,681	22,554	[2]8,581	[3]28,889	[4]2,246	2,154	19,269
14	Mineral industries	167	26	1,531	7,151	1,245	2,765	5,577	16,019	7,663	21,444	2,238	1,767	15,164
	Included in manufactures	33	5	[3]293	[3]1,133	[3]284	523	1,104	6,535	[2]918	[3]7,445	[4]8	[3]387	4,105
	Crushed and broken stone	66	19	901	4,170	788	1,738	3,533	11,656	[2]5,104	[3]15,458	[4]1,302	1,015	8,743
1421	Mineral industry	58	17	796	3,697	683	1,527	3,060	8,562	4,734	11,994	1,302	797	6,518
	Included in manufactures	8	2	[3]105	[3]473	[3]105	211	473	3,094	[2]370	[3]3,464	(NA)	218	2,225
	Crushed and broken limestone (mineral subindustry only)	54	16	744	3,481	639	1,424	2,874	8,159	4,345	11,254	1,250	761	6,197
	Crushed and broken stone, nec (mineral subindustry only)	4	1	52	216	44	103	186	403	(D)	740	(D)	36	321
	Sand and gravel	101	7	[3]559	[3]2,494	[3]459	1,018	2,069	6,321	[2]2,414	[3]7,889	[4]846	(NA)	(NA)
1441	Mineral industry	96	6	512	2,299	412	924	1,874	5,306	2,314	6,774	846	668	5,529
	Clay and related minerals	17	1	[3]75	[3]339	[3]66	143	295	1,495	[2]397	[3]1,849	[4]43	(NA)	(NA)
	Clay and related minerals, nec.	14	1	[3]59	[3]266	[3]50	108	222	1,039	[2]309	[3]1,305	(NA)	[3]87	805

D Withheld to avoid disclosing data for individual companies.
NA Not available. [r]Revised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.
[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	221,673	77,617	56,074	56,079	31,903	67,336	27,893	39,443	xxx	xxx	xxx	xxx
13	Oil and gas extraction	212,805	71,570	56,061	55,395	29,779	64,858	27,839	37,019	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	135,105	56,621	...	52,256	26,228	60,034	27,475	32,559	[3]108,788	[4]379,417	[3]1,065	[5]3,541
1321	Natural gas liquids	57,460	1,053	56,061	189	157	618	...	618	[6]5,177	[6]10,957	...	...
138	Oil and gas field services	20,240	13,896	...	2,950	3,394	4,206	364	3,842	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	14,287	9,549	...	2,343	2,395	3,090	362	2,728	xxx	[7]33,974	xxx	([7])
1389	Oil and gas field services, nec	4,711	3,652	...	121	938	1,049	2	1,047	xxx	[7]14,385	xxx	([7])
14	Nonmetallic minerals mining	7,663	5,074	13	677	1,899	2,238	49	2,189	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	4,734	3,200	13	413	1,108	1,302	20	1,282	8,762	11,824	[8]2,589	[8]3,478
	Crushed and broken limestone	4,345	2,913	...	372	1,060	1,250	20	1,230	8,360	11,097	[8]2,649	145
1441	Sand and gravel	2,314	1,376	...	196	742	846	25	821	7,585	[7]7,417	[8]1,442	([7])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used. In addition, 524,531 million cubic feet of natural gas were shipped by establishments classified in the Crude Petroleum and Natural Gas Industry and 4,165 million cubic feet by establishments classified in other industries.

[4]Represents $319,628 thousand for shipments of crude petroleum, field condensate, and drips and $59,789 thousand for shipments of natural gas.

[5]Represents $3,109 thousand for shipments of crude petroleum, field condensate, and drips and $432 thousand for shipments of natural gas.

[6]Represents net shipments of natural gas liquids only.

[7]Figures for primary products or services performed in other industries are included with those for primary products or services performed in the specified industry. For Sand and Gravel Industry, see also footnote 8.

[8]Includes data for minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only			Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]	
	All establishments:											
	Number of establishments	1,124	1,082	925	11	31	883	140	8	103	29	17	42
	Number of employees	11,535	11,477	9,497	38	107	9,352	[3]1,652	[3]324	1,068	260	[3]328	58
	Value added in mining, $1,000	343,528	344,328	315,491	268	1,267	313,956	[3]17,049	[3]3,098	11,205	2,746	[3]11,788	([4])
13	Oil and gas extraction:												
	Number of establishments	920	887	872	...	...	872	...	...	...	...	15	33
	Number of employees	9,698	9,657	9,329	...	...	9,329	...	...	...	...	328	41
	Value added in mining, $1,000	324,667	325,423	313,635	...	...	313,635	...	...	...	...	11,788	([4])
14	Nonmetallic minerals mining:												
	Number of establishments	167	163	30	...	19	11	131	6	96	29	2	4
	Number of employees	1,531	(D)	74	...	51	23	(D)	(D)	894	260	(D)	(D)
	Value added in mining, $1,000	16,019	(D)	1,007	...	686	321	(D)	(D)	9,206	2,746	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	58	58	4	...	4	...	52	4	48	...	2	...
	Number of employees	796	796	26	...	26	...	(D)	(D)	643	...	(D)	...
	Value added in mining, $1,000	8,562	8,562	363	...	363	...	(D)	(D)	6,755	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	96	96	23	...	12	11	73	...	44	29	...	...
	Number of employees	512	512	35	...	12	23	477	...	217	260	...	...
	Value added in mining, $1,000	5,306	5,306	505	...	184	321	4,801	...	2,055	2,746	...	...

D Withheld to avoid disclosing data for individual companies.

[1]Includes data for 10 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.

[3]Figures for 2 separately operated preparation plants in the Crushed and Broken Stone Industry are combined with those for underground mines with preparation plants.

[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	KANSAS:													
	All mineral operations	1,632	194	16,069	74,161	12,887	r25,596	54,559	384,888	[3]222,591	[4]540,135	[5]67,344	18,046	362,804
	Mineral industries	1,599	189	15,776	73,028	12,603	r25,073	53,455	378,353	221,673	532,690	67,336	17,659	358,699
	Included in manufactures	33	5	[4]293	[4]1,133	[4]284	523	1,104	6,535	[3]918	[4]7,445	[5]8	[4]387	4,105
	COUNTIES													
	Allen (mineral industries only)	37	2	146	668	(NA)	(NA)	(NA)	(NA)	(NA)	2,090	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	25	1	104	492	(NA)	(NA)	(NA)	(NA)	(NA)	1,364	(NA)	152	(NA)
	Anderson	29	1	132	581	(NA)	(NA)	(NA)	(NA)	(NA)	1,408	(NA)	[6]156	(NA)
131	Crude petroleum and natural gas	14	1	93	440	(NA)	(NA)	(NA)	(NA)	(NA)	1,138	(NA)	108	(NA)
	Barber (mineral industries only)	86	6	384	1,742	(NA)	(NA)	(NA)	(NA)	(NA)	10,048	(NA)	[6]103	(NA)
131	Crude petroleum and natural gas	48	2	211	997	(NA)	(NA)	(NA)	(NA)	(NA)	6,315	(NA)	(NA)	(NA)
	Barton (mineral industries only)	382	21	1,715	7,790	(NA)	(NA)	(NA)	(NA)	(NA)	48,106	(NA)	[6]1,200	(NA)
13	Oil and gas extraction, total	376	20	1,675	7,572	(NA)	(NA)	(NA)	(NA)	(NA)	47,238	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	263	14	1,074	5,077	(NA)	(NA)	(NA)	(NA)	(NA)	39,567	(NA)	1,177	(NA)
138	Oil and gas field services	113	6	601	2,495	(NA)	(NA)	(NA)	(NA)	(NA)	7,671	(NA)	(NA)	(NA)
	Bourbon (including operations in manufactures)	7	...	[4]36	[4]115	(NA)	(NA)	(NA)	(NA)	(NA)	[4]335	(NA)	[6] [7]40	(NA)
13	Butler, total	218	9	1,038	4,726	(NA)	(NA)	(NA)	(NA)	(NA)	24,286	(NA)	[6]892	(NA)
131	Crude petroleum and natural gas	177	5	714	3,381	(NA)	(NA)	(NA)	(NA)	(NA)	21,310	(NA)	857	(NA)
138	Oil and gas field services	41	4	324	1,345	(NA)	(NA)	(NA)	(NA)	(NA)	2,976	(NA)	(NA)	(NA)
13	Chase	12	...	8	37	(NA)	(NA)	(NA)	(NA)	(NA)	439	(NA)	(NA)	(NA)
	Chautauqua	66	3	196	900	(NA)	(NA)	(NA)	(NA)	(NA)	2,765	(NA)	[6]223	(NA)
131	Crude petroleum and natural gas	53	3	156	737	(NA)	(NA)	(NA)	(NA)	(NA)	2,364	(NA)	(NA)	(NA)
	Cherokee (mineral industries only)	22	1	179	988	149	238	827	2,093	(D)	2,915	(D)	612	4,325
	Cheyenne	4	...	3	14	(NA)	(NA)	(NA)	(NA)	(NA)	78	(NA)	(NA)	(NA)
13	Clark	22	...	36	165	(NA)	(NA)	(NA)	(NA)	(NA)	1,682	(NA)	[6]15	(NA)
131	Crude petroleum and natural gas	13	...	27	128	(NA)	(NA)	(NA)	(NA)	(NA)	1,384	(NA)	15	(NA)
	Clay	7	1	53	24	(NA)	(NA)	(NA)	(NA)	(NA)	514	(NA)	20	139
	Coffey	20	...	17	78	(NA)	(NA)	(NA)	(NA)	(NA)	292	(NA)	[6]47	(NA)
13	Comanche	7	...	13	54	(NA)	(NA)	(NA)	(NA)	(NA)	211	(NA)	(NA)	(NA)
	Cowley (mineral industries only)	135	6	531	2,373	(NA)	(NA)	(NA)	(NA)	(NA)	14,342	(NA)	455	(NA)
131	Crude petroleum and natural gas	88	2	280	1,324	(NA)	(NA)	(NA)	(NA)	(NA)	10,926	(NA)	417	(NA)
138	Oil and gas field services	43	3	214	889	(NA)	(NA)	(NA)	(NA)	(NA)	2,881	(NA)	(NA)	(NA)
	Crawford: Including oil and gas extraction	25	3	192	1,072	(NA)	(NA)	(NA)	(NA)	(NA)	1,498	(NA)	[6] [7]204	(NA)
	Excluding oil and gas extraction	10	3	162	904	116	226	559	1,046	447	1,339	154	(NA)	(NA)
13	Decatur	13	...	24	113	(NA)	(NA)	(NA)	(NA)	(NA)	1,191	(NA)	[6]10	(NA)
131	Crude petroleum and natural gas	9	...	23	109	(NA)	(NA)	(NA)	(NA)	(NA)	1,167	(NA)	10	(NA)
	Dickinson	14	...	55	233	(NA)	(NA)	(NA)	(NA)	(NA)	837	(NA)	[6]58	(NA)
	Edwards	31	...	59	240	(NA)	(NA)	(NA)	(NA)	(NA)	1,099	(NA)	[6]11	(NA)
	Elk	28	1	74	376	(NA)	(NA)	(NA)	(NA)	(NA)	1,960	(NA)	98	(NA)
	Ellis	383	9	681	3,071	(NA)	(NA)	(NA)	(NA)	(NA)	29,381	(NA)	[6]471	(NA)
131	Crude petroleum and natural gas	290	6	424	2,004	(NA)	(NA)	(NA)	(NA)	(NA)	25,606	(NA)	(NA)	(NA)
	Ellsworth	74	2	248	1,129	(NA)	(NA)	(NA)	(NA)	(NA)	6,789	(NA)	[6]274	(NA)
131	Crude petroleum and natural gas	46	1	133	629	(NA)	(NA)	(NA)	(NA)	(NA)	5,661	(NA)	188	(NA)
	Finney	45	2	173	780	(NA)	(NA)	(NA)	(NA)	(NA)	12,733	(NA)	[6]83	(NA)
131	Crude petroleum and natural gas	27	...	65	323	(NA)	(NA)	(NA)	(NA)	(NA)	5,381	(NA)	55	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Ford	8	...	23	70	(NA)	(NA)	(NA)	(NA)	(NA)	319	(NA)	[6]21	(NA)
	Franklin	25	2	105	526	(NA)	(NA)	(NA)	(NA)	(NA)	2,548	(NA)	[6]95	(NA)
14	Nonmetallic mineral mining	4	2	58	299	50	122	250	1,268	(D)	1,617	(D)	55	428
	Geary (mineral industries only)	6	1	68	321	(NA)	(NA)	(NA)	(NA)	(NA)	987	(NA)	[8]36	[8]225
13	Gove	7	...	2	9	(NA)	(NA)	(NA)	(NA)	(NA)	49	(NA)	(NA)	(NA)
13	Graham, total	180	4	343	1,548	(NA)	(NA)	(NA)	(NA)	(NA)	21,022	(NA)	[6]179	(NA)
131	Crude petroleum and natural gas	111	3	214	1,012	(NA)	(NA)	(NA)	(NA)	(NA)	18,230	(NA)	179	(NA)
138	Oil and gas field services	69	1	129	536	(NA)	(NA)	(NA)	(NA)	(NA)	2,792	(NA)	(NA)	(NA)
13	Grant	27	4	256	1,305	(NA)	(NA)	(NA)	(NA)	(NA)	30,728	(NA)	[6]156	(NA)
131	Crude petroleum and natural gas	18	1	78	369	(NA)	(NA)	(NA)	(NA)	(NA)	17,245	(NA)	47	(NA)
132	Natural gas liquids	3	2	93	583	71	143	422	5,686	7,683	13,261	108	109	3,145
13	Greenwood, total	138	9	663	3,033	(NA)	(NA)	(NA)	(NA)	(NA)	20,861	(NA)	[6]626	(NA)
131	Crude petroleum and natural gas	109	7	487	2,302	(NA)	(NA)	(NA)	(NA)	(NA)	18,573	(NA)	626	(NA)
138	Oil and gas field services	29	2	176	731	(NA)	(NA)	(NA)	(NA)	(NA)	2,288	(NA)	(NA)	(NA)
	Hamilton	8	...	19	84	(NA)	(NA)	(NA)	(NA)	(NA)	289	(NA)	(NA)	(NA)
13	Harper	54	3	233	1,070	(NA)	(NA)	(NA)	(NA)	(NA)	6,528	(NA)	[6]24	(NA)
131	Crude petroleum and natural gas	27	1	108	511	(NA)	(NA)	(NA)	(NA)	(NA)	3,086	(NA)	24	(NA)
	Harvey	47	...	60	274	(NA)	(NA)	(NA)	(NA)	(NA)	1,447	(NA)	[6]53	(NA)
	Haskell	31	...	36	167	(NA)	(NA)	(NA)	(NA)	(NA)	3,547	(NA)	[6]11	(NA)
131	Crude petroleum and natural gas	24	...	28	132	(NA)	(NA)	(NA)	(NA)	(NA)	3,132	(NA)	(NA)	(NA)
13	Hodgeman	13	...	17	76	(NA)	(NA)	(NA)	(NA)	(NA)	790	(NA)	(NA)	(NA)
13	Kearny	25	...	59	281	(NA)	(NA)	(NA)	(NA)	(NA)	12,869	(NA)	[6]39	(NA)
	Kingman	82	...	157	731	(NA)	(NA)	(NA)	(NA)	(NA)	8,096	(NA)	[6]83	(NA)
131	Crude petroleum and natural gas	43	...	104	492	(NA)	(NA)	(NA)	(NA)	(NA)	7,176	(NA)	(NA)	(NA)
13	Kiowa	40	1	96	433	(NA)	(NA)	(NA)	(NA)	(NA)	3,238	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	23	1	59	279	(NA)	(NA)	(NA)	(NA)	(NA)	2,750	(NA)	(NA)	(NA)
13	Labette	12	...	30	139	(NA)	(NA)	(NA)	(NA)	(NA)	401	(NA)	[6]26	(NA)
	Leavenworth	5	1	65	304	60	123	261	606	387	873	120	(NA)	(NA)
	Linn	13	...	15	58	(NA)	(NA)	(NA)	(NA)	(NA)	267	(NA)	[6]79	(NA)
138	Logan	3	...	5	21	(NA)	(NA)	(NA)	(NA)	(NA)	55	(NA)	(NA)	(NA)
	Lyon	13	...	33	142	(NA)	(NA)	(NA)	(NA)	(NA)	614	(NA)	[6]80	(NA)
	McPherson (mineral industries only)	153	1	371	1,657	(NA)	(NA)	(NA)	(NA)	(NA)	12,812	(NA)	[6]255	(NA)
131	Crude petroleum and natural gas	99	...	213	1,007	(NA)	(NA)	(NA)	(NA)	(NA)	10,780	(NA)	(NA)	(NA)
	Marion	96	4	248	1,111	(NA)	(NA)	(NA)	(NA)	(NA)	8,226	(NA)	[6]122	(NA)
131	Crude petroleum and natural gas	58	2	138	652	(NA)	(NA)	(NA)	(NA)	(NA)	6,066	(NA)	(NA)	(NA)
	Marshall (mineral industries only)	3	...	27	111	(NA)	(NA)	(NA)	(NA)	(NA)	505	(NA)	(NA)	(NA)
13	Meade, total	45	...	112	507	(NA)	(NA)	(NA)	(NA)	(NA)	4,000	(NA)	[6 9]45	(NA)
131	Crude petroleum and natural gas	25	...	73	345	(NA)	(NA)	(NA)	(NA)	(NA)	2,861	(NA)	(NA)	(NA)
138	Oil and gas field services	20	...	39	162	(NA)	(NA)	(NA)	(NA)	(NA)	1,139	(NA)	(NA)	(NA)
	Miami	28	1	96	416	(NA)	(NA)	(NA)	(NA)	(NA)	1,611	(NA)	[6]106	(NA)
131	Crude petroleum and natural gas	19	...	58	274	(NA)	(NA)	(NA)	(NA)	(NA)	1,365	(NA)	(NA)	(NA)
13	Montgomery (mineral industries only)	65	3	218	973	(NA)	(NA)	(NA)	(NA)	(NA)	1,860	(NA)	[6 9]175	(NA)
131	Crude petroleum and natural gas	51	1	118	558	(NA)	(NA)	(NA)	(NA)	(NA)	1,352	(NA)	(NA)	(NA)
	Morris	17	...	32	126	(NA)	(NA)	(NA)	(NA)	(NA)	947	(NA)	[6]13	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
13	Morton	31	...	57	249	(NA)	(NA)	(NA)	(NA)	(NA)	9,987	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	18	...	22	104	(NA)	(NA)	(NA)	(NA)	(NA)	9,182	(NA)	(NA)	(NA)
	Nemaha	5	...	19	76	(NA)	(NA)	(NA)	(NA)	(NA)	292	(NA)	(NA)	(NA)
	Neosho (mineral industries only)	53	1	104	469	(NA)	(NA)	(NA)	(NA)	(NA)	1,340	(NA)	[6]105	(NA)
13	Ness, total	41	1	90	383	(NA)	(NA)	(NA)	(NA)	(NA)	2,411	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	18	...	17	80	(NA)	(NA)	(NA)	(NA)	(NA)	1,149	(NA)	(NA)	(NA)
138	Oil and gas field services	23	1	73	303	(NA)	(NA)	(NA)	(NA)	(NA)	1,262	(NA)	(NA)	(NA)
	Norton	27	...	45	174	(NA)	(NA)	(NA)	(NA)	(NA)	3,201	(NA)	[6]31	(NA)
131	Crude petroleum and natural gas	14	...	12	57	(NA)	(NA)	(NA)	(NA)	(NA)	2,936	(NA)	(NA)	(NA)
13	Osborne	9	...	5	24	(NA)	(NA)	(NA)	(NA)	(NA)	212	(NA)	(NA)	(NA)
	Pawnee (mineral industries only)	124	...	105	471	(NA)	(NA)	(NA)	(NA)	(NA)	5,041	(NA)	[6]190	(NA)
131	Crude petroleum and natural gas	97	...	68	321	(NA)	(NA)	(NA)	(NA)	(NA)	4,471	(NA)	(NA)	(NA)
	Phillips	35	1	92	421	(NA)	(NA)	(NA)	(NA)	(NA)	5,911	(NA)	[6]174	(NA)
131	Crude petroleum and natural gas	23	1	80	378	(NA)	(NA)	(NA)	(NA)	(NA)	5,669	(NA)	(NA)	(NA)
	Pottawatomie	3	...	7	14	(NA)	(NA)	(NA)	(NA)	(NA)	76	(NA)	(NA)	(NA)
	Pratt	72	3	230	1,015	(NA)	(NA)	(NA)	(NA)	(NA)	8,054	(NA)	[6]176	(NA)
131	Crude petroleum and natural gas	36	1	111	525	(NA)	(NA)	(NA)	(NA)	(NA)	6,409	(NA)	(NA)	(NA)
	Rawlins	7	...	18	75	(NA)	(NA)	(NA)	(NA)	(NA)	260	(NA)	(NA)	(NA)
	Reno	81	2	260	1,383	(NA)	(NA)	(NA)	(NA)	(NA)	5,262	(NA)	[6]196	(NA)
131	Crude petroleum and natural gas	41	...	114	539	(NA)	(NA)	(NA)	(NA)	(NA)	3,485	(NA)	97	(NA)
132 & 14	Natural gas liquids and Nonmetallic minerals mining	7	2	129	773	77	159	365	1,191	430	1,502	119	99	1,296
	Rice	162	3	471	2,188	(NA)	(NA)	(NA)	(NA)	(NA)	16,310	(NA)	[6]692	(NA)
13	Oil and gas extraction	156	3	443	2,055	(NA)	(NA)	(NA)	(NA)	(NA)	15,791	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	99	3	365	1,731	(NA)	(NA)	(NA)	(NA)	(NA)	14,812	(NA)	548	(NA)
	Riley (including operations in manufactures)	5	1	[4]42	[4]140	(NA)	(NA)	(NA)	(NA)	(NA)	[4]314	(NA)	(NA)	(NA)
	Rooks	125	3	434	1,923	(NA)	(NA)	(NA)	(NA)	(NA)	16,638	(NA)	[6]316	(NA)
131	Crude petroleum and natural gas	72	2	310	1,408	(NA)	(NA)	(NA)	(NA)	(NA)	15,011	(NA)	316	(NA)
13	Rush	46	...	62	277	(NA)	(NA)	(NA)	(NA)	(NA)	3,298	(NA)	[6]51	(NA)
131	Crude petroleum and natural gas	27	...	29	137	(NA)	(NA)	(NA)	(NA)	(NA)	2,881	(NA)	(NA)	(NA)
13	Russell, total	240	9	710	3,240	(NA)	(NA)	(NA)	(NA)	(NA)	25,545	(NA)	[6]917	(NA)
131	Crude petroleum and natural gas	168	8	503	2,381	(NA)	(NA)	(NA)	(NA)	(NA)	22,820	(NA)	917	(NA)
138	Oil and gas field services	72	1	207	859	(NA)	(NA)	(NA)	(NA)	(NA)	2,725	(NA)	(NA)	(NA)
	Saline	37	...	65	336	(NA)	(NA)	(NA)	(NA)	(NA)	1,053	(NA)	[6]74	(NA)
13	Scott	8	...	24	108	(NA)	(NA)	(NA)	(NA)	(NA)	251	(NA)	(NA)	(NA)
	Sedgwick (mineral industries only), total	150	14	1,081	5,285	(NA)	(NA)	(NA)	(NA)	(NA)	15,524	(NA)	[6]907	(NA)
131	Crude petroleum and natural gas	87	13	876	4,337	(NA)	(NA)	(NA)	(NA)	(NA)	7,384	(NA)	784	(NA)
138	Oil and gas field services	45	...	113	469	(NA)	(NA)	(NA)	(NA)	(NA)	1,191	(NA)	(NA)	(NA)
10, 132, & 14	Metal mining, Natural gas liquids, and Nonmetallic minerals mining	18	1	92	479	75	165	392	2,710	4,421	6,949	182	123	2,154
	Seward:													
131	Crude petroleum and natural gas	30	...	87	411	(NA)	(NA)	(NA)	(NA)	(NA)	2,745	(NA)	39	(NA)
138	Oil and gas field services	23	1	68	282	(NA)	(NA)	(NA)	(NA)	(NA)	1,720	(NA)	(NA)	(NA)
	Shawnee (mineral industries only)	11	...	58	271	(NA)	(NA)	(NA)	(NA)	(NA)	819	(NA)	48	461
	Sheridan	17	...	57	266	(NA)	(NA)	(NA)	(NA)	(NA)	1,496	(NA)	26	(NA)
131	Crude petroleum and natural gas	12	...	52	246	(NA)	(NA)	(NA)	(NA)	(NA)	1,168	(NA)	(NA)	(NA)
13	Sherman	7	...	20	91	(NA)	(NA)	(NA)	(NA)	(NA)	186	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Stafford	174	3	356	1,612	(NA)	(NA)	(NA)	(NA)	(NA)	16,742	(NA)	[6]338	(NA)
131	Crude petroleum and natural gas	97	2	233	1,101	(NA)	(NA)	(NA)	(NA)	(NA)	14,740	(NA)	(NA)	(NA)
13	Stanton	18	...	21	93	(NA)	(NA)	(NA)	(NA)	(NA)	862	(NA)	(NA)	(NA)
	Stevens	28	2	87	389	(NA)	(NA)	(NA)	(NA)	(NA)	8,159	(NA)	[6]53	(NA)
131	Crude petroleum and natural gas	17	1	48	227	(NA)	(NA)	(NA)	(NA)	(NA)	7,968	(NA)	(NA)	(NA)
	Sumner	105	...	187	854	(NA)	(NA)	(NA)	(NA)	(NA)	7,110	(NA)	[6]118	(NA)
131	Crude petroleum and natural gas	68	...	125	591	(NA)	(NA)	(NA)	(NA)	(NA)	6,339	(NA)	(NA)	(NA)
13	Thomas	6	...	7	30	(NA)	(NA)	(NA)	(NA)	(NA)	128	(NA)	(NA)	(NA)
	Trego	208	3	108	455	(NA)	(NA)	(NA)	(NA)	(NA)	5,093	(NA)	[6]54	(NA)
131	Crude petroleum and natural gas	177	2	65	307	(NA)	(NA)	(NA)	(NA)	(NA)	4,724	(NA)	(NA)	(NA)
13	Wabaunsee	4	...	8	35	(NA)	(NA)	(NA)	(NA)	(NA)	835	(NA)	[6]29	(NA)
	Wilson:													
	Including operations in manufactures	33	2	[4]127	[4]526	(NA)	(NA)	(NA)	(NA)	(NA)	[4]2,156	(NA)	(NA)	(NA)
	Mineral industries only	30	1	99	405	(NA)	(NA)	(NA)	(NA)	(NA)	1,471	(NA)	[6]82	(NA)
	Woodson	58	...	92	425	(NA)	(NA)	(NA)	(NA)	(NA)	1,994	(NA)	[6]104	(NA)
131	Crude petroleum and natural gas	41	...	79	373	(NA)	(NA)	(NA)	(NA)	(NA)	1,758	(NA)	104	(NA)
14	Wyandotte (mineral industries only), total	11	4	189	2,385	125	306	784	1,767	928	2,556	139	213	2,465
142	Crushed and broken stone (mineral industries only)	3	3	[10]115	[10]1,951	69	174	448	1,011	535	1,546	...	[11]118	[11]1,206
144	Sand and gravel	8	1	74	434	56	132	336	756	393	1,010	139	95	1,259
13	Undistributed, total	260	4	1,514	6,975	(NA)	(NA)	(NA)	(NA)	(NA)	30,490	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	100	1	700	3,309	(NA)	(NA)	(NA)	(NA)	(NA)	20,754	(NA)	(NA)	(NA)
138	Oil and gas field services	160	3	814	3,666	(NA)	(NA)	(NA)	(NA)	(NA)	9,736	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field services were permitted to make only one report for all States; these reports were classified on the basis of the principal state in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[4]See table 2A, footnote 3.
[5]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[6]Excludes data for the Oil and Gas Field Services Industries.
[7]Represents mineral industries only.
[8]Includes data for operations in manufacturing establishments.
[9]Includes data for 2 establishments in Major Group 14, Nonmetallic Minerals Mining.
[10]Includes data for separately reported central offices and related facilities in the Oil and Gas Extraction Industries.
[11]Includes data for the Dimension Stone Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Kansas, total.....	1,632	1,599	33	...	...	16	...	...	...	...	1	20	...	905	15	475	2	5	58	8	96	5	4	13	4	...	3	2
No employees.....	157	157	...	...	...	5	...	...	...	...	...	6	...	104	...	24	2	...	2	...	13	...	...	...	...	...	1	...
1-4 employees.....	819	804	15	...	...	6	...	...	...	...	1	7	...	516	...	204	...	1	15	1	51	1	...	12	2	...	2	...
5-9 employees.....	235	227	8	...	...	4	...	...	...	...	...	2	...	99	2	91	...	2	10	3	16	2	3	1	...	...	...	...
10-19 employees...	227	222	5	...	...	1	...	...	...	...	...	2	...	81	6	108	...	...	14	2	10	1	...	...	...	...	...	2
20-49 employees...	148	143	5	...	...	...	...	...	...	...	...	2	...	70	7	39	...	2	17	2	6	1	1	...	1	...	...	...
50-99 employees...	32	32	...	...	...	...	...	...	...	...	...	1	...	21	...	9	...	...	...	...	...	...	...	...	1	...	...	...
100-249 employees.	12	12	...	...	...	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250-499 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Allen:																												
0-19 employees....	41	35	6	...	...	...	...	...	...	...	...	...	...	24	...	11	...	...	...	2	...	...	...	4	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Anderson:																												
0-19 employees....	28	28	...	...	...	...	...	...	...	...	...	...	...	13	...	13	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atchison:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Barber:																												
0-19 employees....	81	80	1	...	...	...	...	...	...	...	...	...	...	46	1	32	...	...	...	...	1	...	...	...	...	...	...	1
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Barton:																												
0-19 employees....	363	361	2	...	...	...	...	...	...	...	...	...	...	249	...	107	...	...	...	...	4	...	...	2	1	...	...	...
20-99 employees...	20	20	...	...	...	...	...	...	...	...	...	...	...	13	...	6	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bourbon:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	2	...	1	...	1	...	1	1	1	...	...	...	...	...	...	...	...
Butler:																												
0-19 employees....	209	209	...	...	...	...	...	...	...	...	...	...	...	172	...	37	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chase:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	9	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Chautauqua:																												
0-19 employees....	63	63	...	...	...	...	...	...	...	...	...	...	...	50	...	12	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees....	22	21	1	...	...	16	...	...	...	...	...	3	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cheyenne:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Clark:																												
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	13	...	9	...	...	...	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Cloud:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	1	...	...	...	...
Coffey:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	1	...	13	...	5	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Comanche:																											
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...
Crowley:																											
0-19 employees	130	129	1	...	...	...	...	...	...	...	...	...	...	86	1	40	1	1	...	...	1	...	...	...	...	...	...
20-99 employees	7	6	1	...	...	...	...	...	...	...	...	...	...	2	...	3	...	1	...	..	1	...	...	...	...	...	...
Crawford:																											
0-19 employees	22	22	...	...	...	...	...	...	...	...	...	5	...	11	...	4	...	...	...	...	...	...	2	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Decatur:																											
0-19 employees	13	13	...	...	...	...	...	...	...	...	...	...	...	9	...	4	...	...	...	...	...	...	...	...	...	...	...
Dickerson:																											
0-19 employees	14	14	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	3	...	2	...	...	...	...	...	...
Doniphan:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Douglas:																											
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	...
Edwards:																											
0-19 employees	31	31	...	...	...	...	...	...	...	...	...	...	...	12	...	17	...	...	1	...	1	...	...	...	...	...	...
Elk:																											
0-19 employees	27	27	...	...	...	...	...	...	...	...	...	...	...	22	...	5	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Ellis:																											
0-19 employees	374	374	...	...	...	...	...	...	...	...	...	...	...	284	...	89	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	9	9	...	...	...	...	...	...	...	...	...	...	...	6	...	3	...	...	...	...	...	...	...	...	...	...	...
Ellsworth:																											
0-19 employees	72	72	...	...	...	...	...	...	...	...	...	...	...	45	...	26	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...
Finney:																											
0-19 employees	43	43	...	...	...	...	...	...	...	...	...	...	...	27	1	14	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
Ford:																											
0-19 employees	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	4	...	...	...	...	...	...
Franklin:																											
0-19 employees	23	23	...	...	...	...	...	...	...	...	...	...	...	11	...	10	...	...	1	...	1	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
Geary:																											
0-19 employees	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	1	...	2	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Gove:																											
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...
Graham:																											
0-19 employees	176	176	...	...	...	...	...	...	...	...	...	...	...	108	...	68	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...
Grant:																											
0-19 employees	23	23	...	...	...	...	...	...	...	...	...	...	...	17	1	5	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...
Gray:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	...	...	...	...	...	...
Greeley:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Greenwood:																											
0-19 employees	129	129	...	...	...	...	...	...	...	...	...	...	...	102	...	27	...	...	...	...	...	...	...	...	...	...	...
20-19 employees	9	9	...	...	...	...	...	...	...	...	...	...	...	7	...	2	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Hamilton:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	1	...	...	...	...	...	...	...
Harper:																											
0-19 employees....	51	51	...	...	...	...	...	...	...	...	...	...	...	26	...	25	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Harvey:																											
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	29	...	17	...	...	...	...	1	...	...	...	...	...	...	...
Haskell:																											
0-19 employees....	31	31	...	...	...	...	...	...	...	...	...	...	...	24	...	6	...	...	...	...	1	...	...	...	...	...	...	...
Hodgeman:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	6	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Jefferson:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Johnson:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	1	...	1	...	...	...	...	...	...	...
Kearny:																											
0-19 employees....	25	25	...	...	...	...	...	...	...	...	...	...	...	22	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Kingman:																											
0-19 employees....	82	82	...	...	...	...	...	...	...	...	...	...	...	43	1	37	...	...	...	...	1	...	...	...	...	...	...	...
Kiowa:																											
0-19 employees....	39	39	...	...	...	...	...	...	...	...	...	...	...	22	...	17	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Labette:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	9	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Lane:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Leavenworth:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Linn:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	3	...	6	...	3	...	...	1	...	...	...	...	...	...	...	...	...
Logan:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Lyon:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	9	...	3	...	...	...	...	1	...	...	...	...	...	...	...
McPherson:																											
0-19 employees....	153	152	1	...	...	...	...	...	...	...	...	...	...	99	...	51	...	...	1	...	1	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	92	92	...	...	...	...	...	...	...	...	...	...	...	56	...	35	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	1
Meade:																											
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	25	...	20	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Miami:																												
0-19 employees	27	27	...	...	...	...	...	...	...	...	...	...	...	19	...	8	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Mitchell:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Montgomery:																												
0-19 employees	65	62	3	...	...	...	...	...	...	...	...	...	...	50	...	12	...	...	...	1	...	...	...	2	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Morris:																												
0-19 employees	17	17	...	...	...	...	...	...	...	...	...	...	...	6	...	6	...	...	4	...	1	...	...	...	...	...	...	...
Morton:																												
0-19 employees	31	31	...	...	...	...	...	...	...	...	...	...	...	18	...	13	...	...	...	...	...	...	...	...	...	...	...	...
Nemaha:																												
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	1	...	1	...	...	...	...	...	...	...
Neosho:																												
0-19 employees	55	52	3	...	...	...	...	...	...	...	...	...	...	20	...	30	...	...	1	2	1	...	...	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ness:																												
0-19 employees	40	40	...	...	...	...	...	...	...	...	...	...	...	18	...	22	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Norton:																												
0-19 employees	27	27	...	...	...	...	...	...	...	...	...	...	...	14	...	11	...	...	...	...	1	...	...	...	...	...	1	...
Osage:																												
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Osborne:																												
0-19 employees	9	9	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Pawnee:																												
0-19 employees	125	124	1	...	...	...	...	...	...	...	...	...	...	97	...	26	...	...	...	...	1	1	...	...	...	...	...	...
Phillips:																												
0-19 employees	34	34	...	...	...	...	...	...	...	...	...	...	...	22	...	11	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pottawatomie:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...
Pratt:																												
0-19 employees	69	69	...	...	...	...	...	...	...	...	...	...	...	35	...	32	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Rawlins:																												
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	1	...	...	...	...	...	...	...
Reno:																												
0-19 employees	79	79	...	...	...	...	...	...	...	...	...	...	...	41	...	33	...	...	...	...	5	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...
Rice:																												
0-19 employees	159	159	...	...	...	...	...	...	...	...	...	...	...	96	...	57	...	...	1	...	4	...	...	...	1	...	...	...
20-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Riley:																												
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Rooks:																												
0-19 employees	122	122	...	...	...	...	...	...	...	...	...	...	...	70	...	51	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Rush:																												
0-19 employees	46	46	...	...	...	...	...	...	...	...	...	...	...	27	1	18	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Russell:																												
0-19 employees....	231	231	...	...	...	...	...	...	...	...	...	...	...	160	...	71	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	8	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Saline:																												
0-19 employees....	37	37	...	...	...	...	...	...	...	...	...	...	...	23	...	13	...	...	...	...	1	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Sedgwick:																												
0-19 employees....	136	136	...	...	...	...	...	...	...	...	1	...	...	74	...	45	...	...	...	...	16	...	...	...	...	...	...	...
20-99 employees...	15	14	1	...	...	...	...	...	...	...	...	...	...	13	1	...	...	...	...	...	...	1	...	...	...	...	...	...
Seward:																												
0-19 employees....	53	53	...	...	...	...	...	...	...	...	...	...	...	30	...	22	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Shawnee:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	3	...	4	1	...	...	...	...	...	...
Sheridan:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	12	...	4	...	...	...	...	1	...	...	...	...	...	...	...
Sherman:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...	...
Stafford:																												
0-19 employees....	171	171	...	...	...	...	...	...	...	...	...	...	...	95	...	75	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Stanton:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	10	...	8	...	...	...	...	...	...	...	...	...	...	...	...
Stevens:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	16	...	9	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Sumner:																												
0-19 employees....	105	105	...	...	...	...	...	...	...	...	...	...	...	68	...	36	...	...	...	...	1	...	...	...	...	...	...	...
Thomas:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Trego:																												
0-19 employees....	205	205	...	...	...	...	...	...	...	...	...	...	...	175	...	30	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wabaunsee:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Wallace:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Wichita:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Wilson:																												
0-19 employees....	31	29	2	...	...	...	...	...	...	...	...	...	...	16	...	11	...	...	2	...	...	...	...	2	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Woodson:																												
0-19 employees....	58	58	...	...	...	...	...	...	...	...	...	...	...	41	...	16	...	...	...	...	...	...	...	...	...	...	1	...
Wyandotte:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...
20-99 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	1	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	256	256	...	...	...	...	...	...	...	...	...	...	...	99	...	157	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

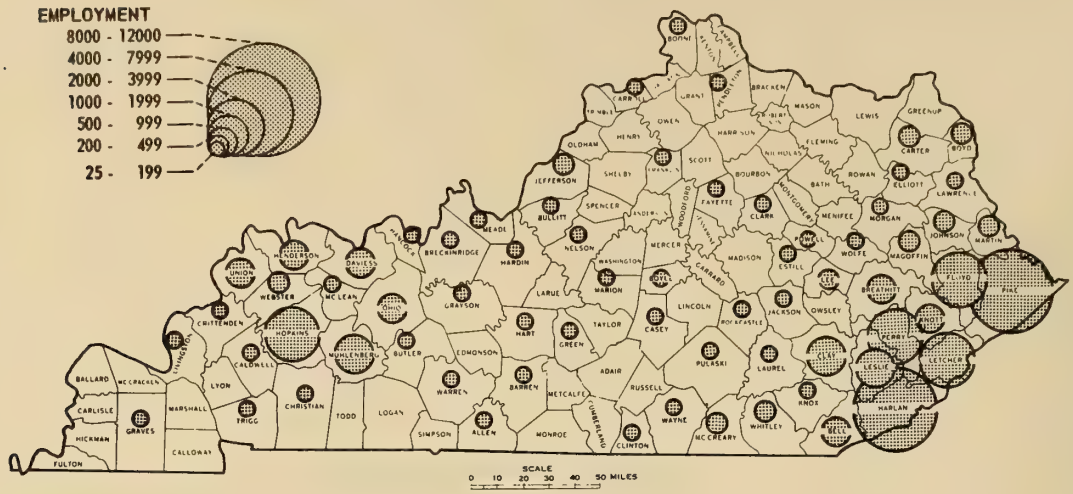
KENTUCKY

14-1

EMPLOYMENT IN MINING BY COUNTY: 1958

KENTUCKY

RANK AMONG STATES
EMPLOYMENT - 6
VALUE OF SHIPMENTS - 10

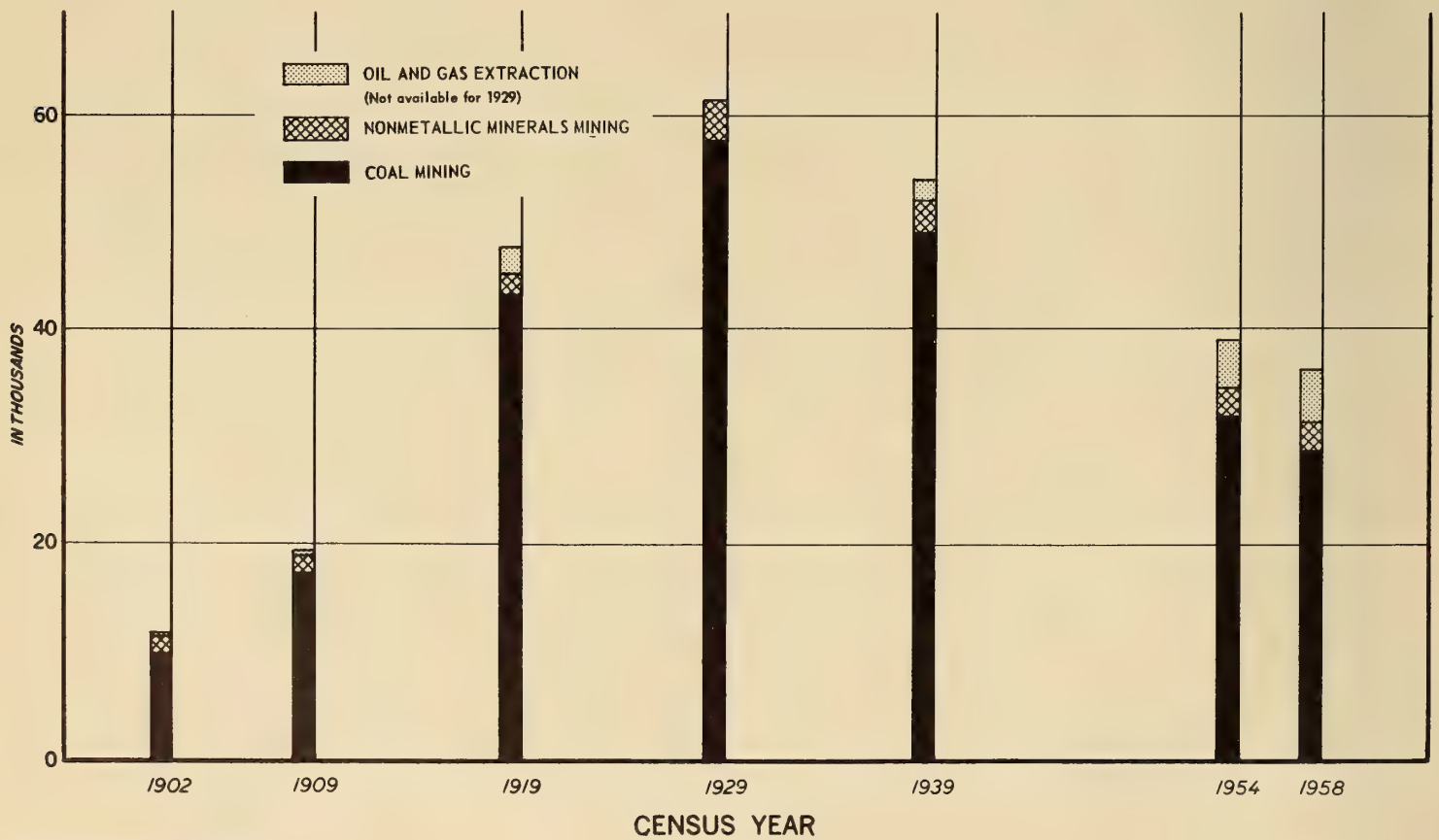


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EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

KENTUCKY



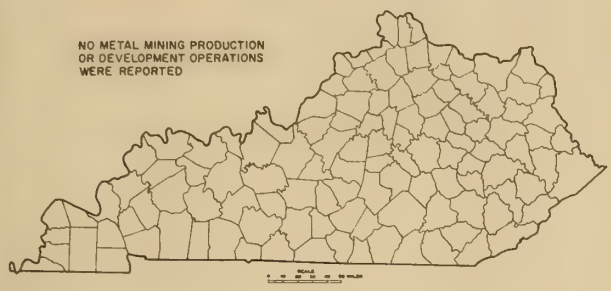
DEPARTMENT OF COMMERCE

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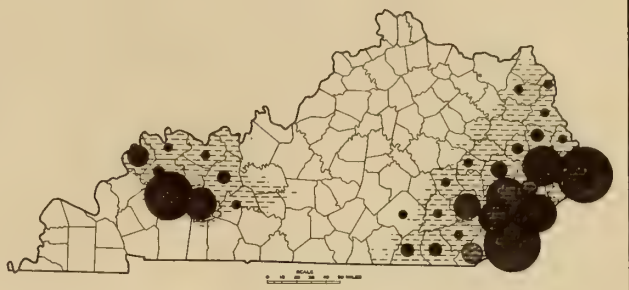
MINING IN KENTUCKY

Employment For Industry Group By County: 1958

Metal Mining

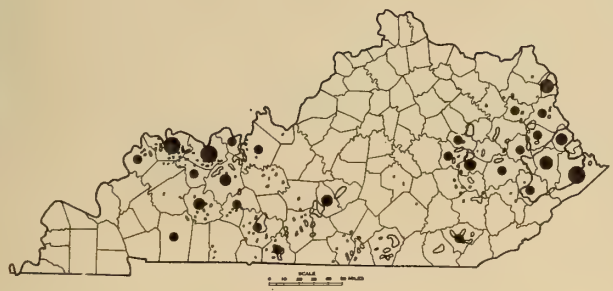


Coal Mining



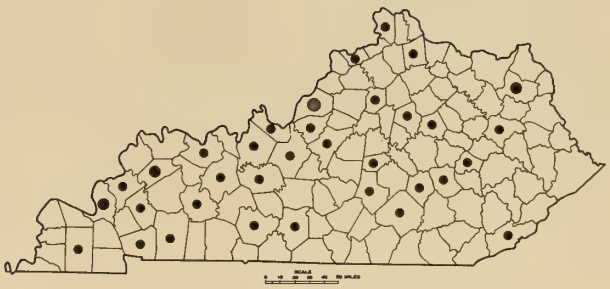
General Extent of Coal Fields

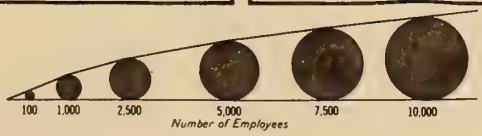
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	2,111	334	36,098	149,465	32,099	53,115	r129,032	320,296	88,587	75,908	24,617	28,063	492,520	44,951	r4,143	r129
1954	1,816	337	38,895	139,313	35,820	59,659	124,149	272,103	66,057	[2]24,775	14,905	18,756	365,877	30,719	3,514	98
Including operations in manufactures:																
All operations:																
1958	2,123	334	36,134	149,586	32,135	53,187	r129,153	321,348	[3]88,650	75,908	[3]24,617	[4]28,063	493,635	[4]44,951	r4,143	r129
1954	1,828	337	38,917	139,370	35,842	59,702	124,206	272,203	[3]66,162	[2]24,775	[3]14,905	[4]18,756	366,082	[4]30,719	[4]3,514	98
1939[5]	[6]743	(NA)	53,839	56,971	51,452	73,891	52,338	77,169	13,553	(NA)	1,084	(NA)	91,806	(NA)	2,322	45
1919[7]	949	(NA)	47,591	56,955	43,631	(NA)	49,622	76,852	18,261	[8]41	3,333	(NA)	98,487	(NA)	[9]5,885	135
1909[7]	464	(NA)	19,349	8,810	18,316	(NA)	7,835	10,370	1,544	...	186	(NA)	12,100	(NA)	(NA)	(NA)
1902[10]	[6]749	(NA)	11,581	5,909	[11]10,687	(NA)	5,220	6,846	1,276	(NA)	411	(NA)	8,533	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	1,488	284	31,230	132,458	27,800	45,265	114,843	253,003	[3]73,958	63,274	[3]8,793	[4]22,244	397,972	[4]23,300	r4,066	r74
1954	1,325	285	34,522	126,273	31,794	52,475	112,536	212,468	[3]55,099	23,286	[3]4,270	[4]12,152	293,586	[4]13,689	[4]1,486	47
1939[5]	[6]616	(NA)	52,046	55,153	49,825	71,492	50,876	68,326	12,683	(NA)	199	(NA)	81,208	(NA)	1,964	39
1929[12]	554	(NA)	61,045	69,389	57,831	(NA)	62,799	87,676	16,102	(NA)	72	3,031	103,850	(NA)	4,382	76
1919[7]	745	(NA)	44,994	53,459	41,500	(NA)	46,963	58,127	13,962	...	3,068	(NA)	75,157	(NA)	[9]5,512	133
1909[7]	377	(NA)	19,065	8,632	18,089	(NA)	7,710	9,752	1,366	...	90	(NA)	11,208	(NA)	(NA)	(NA)
1902[10]	[6]633	(NA)	11,284	5,684	[11]10,525	(NA)	5,097	7,030	943	(NA)	21	(NA)	7,994	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[5]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 3 dimension stone quarries. For "All operations," includes data for one or two oil and gas field hauling operations with receipts for services amounting to less than $45 thousand; such operations were not classified in the mineral industries for 1958 and 1954. For "Excluding oil and gas extractions operations," except for number of establishments, includes 3 nonproducing operations in the Crude Petroleum and Natural Gas Industry.

[6]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[7]Excludes data for sand, gravel, common clay, and shale operations; and limestone quarries operated as parts of lime plants. In 1939, the value of products of common clay and shale operations was $61 thousand. In 1929, the value of products of sand and gravel establishments was $1,348 thousand. For "Excluding oil and gas extraction operations," in 1909, except for number of establishments, includes data for 2 nonproducing operations in the Crude Petroleum and Natural Gas Industry.

[8]Includes natural gas purchased for resale.

[9]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to 8 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to only 4 percent.

[10]Excludes data for sand, gravel, common clay, and shale operations. Includes data for one cement plant and for lime plants producing lime valued at $16 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[12]Excludes data for common clay and shale operations. The value of products of such operations in 1939 was $61 thousand. For "Excluding oil and gas extraction industries," excludes nonproducing establishments.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	2,123	334	36,134	149,586	32,135	53,187	r129,153	321,348	[1]217,238	[2]493,635	[3]44,951	38,917	r272,203
	Mineral industries	2,111	334	36,098	149,465	32,099	53,115	r129,032	320,296	217,175	492,520	44,951	38,895	r272,103
	Included in manufactures	12	...	[4]36	[4]121	[4]36	72	121	1,052	[1]63	[2]1,115	(NA)	[4]22	100
12	Bituminous coal mining	1,314	234	28,512	122,365	25,437	39,999	106,618	228,807	155,086	364,831	19,062	31,854	194,233
1211	Bituminous coal	1,306	232	28,397	121,721	25,329	39,842	106,066	227,458	154,316	362,887	18,887	31,787	193,094
1213, 1214	Coal services, nec	8	2	115	644	108	157	552	1,349	770	1,944	175	67	1,139
13	Oil and gas extraction	635	50	4,904	17,128	4,335	7,922	r14,310	68,345	48,969	95,663	21,651	4,395	r59,735
1311	Crude petroleum and natural gas	374	30	3,091	11,410	2,635	4,880	9,079	51,640	26,231	61,814	16,057	2,889	46,407
	Crude petroleum	325	25	2,200	7,876	1,903	3,608	6,432	36,186	17,301	45,771	7,716	2,543	34,304
	Natural gas	49	5	891	3,534	732	1,272	2,647	15,454	8,930	16,043	8,341	346	12,103
1321	Natural gas liquids	8	4	173	947	152	307	795	8,023	17,814	21,052	4,785	180	r[5]5,679
138	Oil and gas field services	253	16	1,640	4,771	1,548	2,735	r4,436	8,682	4,924	12,797	809	1,326	7,649
1381	Drilling oil and gas wells	227	11	1,355	3,873	1,289	2,266	3,646	7,194	3,849	10,341	702	1,091	6,570
	Nonmetallic minerals mining	174	50	2,718	10,093	2,363	5,266	8,225	24,196	[1]13,183	[2]33,141	[3]4,238	2,668	18,235
14	Mineral industries[6]	162	50	2,682	9,972	2,327	5,194	8,104	23,144	13,120	32,026	4,238	2,646	18,135
	Included in manufactures	12	...	[4]36	[4]121	[4]36	72	121	1,052	[1]63	[2]1,115	(NA)	[4]22	100
1421	Crushed and broken stone (Mineral industry)	95	37	1,801	6,142	1,567	3,553	5,061	15,478	9,275	21,851	2,902	1,474	10,821
	Crushed and broken limestone (Mineral subindustry)	91	37	1,784	6,094	1,551	3,525	5,016	15,286	9,249	21,681	2,854	(NA)	(NA)
1441	Sand and gravel (Mineral industry only)	32	6	362	1,809	297	773	1,338	3,713	1,502	4,254	961	412	3,312
	Clay and related minerals (Including operations in manufactures)	32	6	[4]385	[4]1,490	[4]349	653	1,271	3,648	[1]1,353	[2]4,813	[3]188	[4]413	2,447
	Fire clay	17	3	[4]236	[4]924	[4]220	345	850	1,528	[1]559	[2]2,041	[3]46	(NA)	(NA)
1453	Mineral industry	14	3	231	907	215	335	833	1,450	540	1,944	46	260	969
1455	Kaolin and ball clay	5	2	96	334	79	204	229	856	540	1,263	133	83	1,078

NA Not available. rRevised.

[1]For sand and gravel and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[2]For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.

[3]Excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[4]For sand and gravel and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations.

[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

[6]For 1958, includes figures for the Kentucky operations of 4 service establishments primarily engaged in metal mining services in other States. For 1954, includes data for one zinc ores establishment.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	217,175	88,587	75,908	24,617	28,063	44,951	9,781	35,170	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	155,086	65,492	62,803	8,029	18,762	19,062	1,047	18,015	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	154,316	65,174	62,803	7,980	18,359	18,887	1,047	17,840	66,671	292,696	...	...
13	Oil and gas extraction.....	48,969	14,692	12,634	15,824	5,819	21,651	8,615	13,036	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	26,231	10,542	...	10,646	5,043	16,057	8,544	7,513	xxx	60,739	xxx	513
	Crude petroleum.....	17,301	6,454	...	7,132	3,715	7,716	3,591	4,125	[3]14,895	44,174	[3]308	1,001
	Natural gas.....	8,930	4,088	...	3,514	1,328	8,341	4,953	3,388	[4]65,511	15,433	[4]1,927	644
1321	Natural gas liquids.....	17,814	441	12,634	4,714	25	4,785	...	4,785	[5]6,572	[5]10,291	...	...
138	Oil and gas field services.....	4,924	3,709	...	464	751	809	71	738	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	3,849	2,742	...	434	673	702	39	663	xxx	[6]10,322	xxx	([6])
14	Nonmetallic minerals mining[7].....	13,120	8,403	471	764	3,482	4,238	119	4,119	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	9,275	6,150	11	395	2,719	2,902	40	2,862	15,381	21,043	4	14
	Crushed and broken limestone.	9,249	6,130	11	394	2,714	2,854	40	2,814	15,279	20,873	...	...

[1]Represents gross shipments of the mineral indicated by the industry or subindustry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[4]Represents millions of cubic feet of natural gas shipped.

[5]Represents net shipments of natural gas liquids only. Quantity figures are in thousands of barrels.

[6]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[7]Includes figures for the Kentucky operations of 4 service establishments primarily engaged in metal mining services in other States.

Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	1,849	1,821	1,440	945	87	408	324	175	114	35	57	28
	Number of employees	34,307	34,224	14,318	9,471	571	4,276	[3]19,088	14,550	2,795	[3]1,743	[3]818	83
	Value added in mining, $1,000	310,031	309,692	122,559	49,644	6,425	66,490	[3]173,251	110,801	47,221	[3]15,229	[3]13,882	339
1211	Bituminous coal:												
	Number of establishments	1,306	1,300	1,048	936	63	49	204	153	28	23	48	6
	Number of employees	28,397	28,363	10,901	9,241	444	1,216	16,817	14,012	1,337	1,468	645	34
	Value added in mining, $1,000	227,458	226,908	68,118	48,304	5,228	14,586	152,931	106,870	33,088	12,973	5,859	550
1311	Crude petroleum and natural gas:												
	Number of establishments	374	355	355	...	...	355	...	...	...	...	...	19
	Number of employees	3,091	3,046	3,046	...	...	3,046	...	...	...	...	...	45
	Value added in mining, $1,000	51,640	51,801	51,801	...	...	51,801	...	...	...	...	...	(4)
1321	Natural gas liquids:												
	Number of establishments	8	8	...	...	...	...	...	...	...	...	8	...
	Number of employees	173	173	...	...	...	...	...	...	...	...	173	...
	Value added in mining, $1,000	8,023	8,023	...	...	...	...	...	...	...	...	8,023	...
14	Nonmetallic minerals mining:												
	Number of establishments	161	158	37	9	24	4	120	22	86	12	1	3
	Number of employees	2,646	2,642	371	230	127	14	[3]2,271	538	1,458	[3]275	([3])	4
	Value added in mining, $1,000	22,910	22,960	2,640	1,340	1,197	103	[3]20,320	3,931	14,133	[3]2,256	([3])	(4)
1421	Crushed and broken stone:												
	Number of establishments	95	95	8	2	6	...	87	18	69	...	...	...
	Number of employees	1,801	1,801	98	(D)	(D)	...	1,703	447	1,256	...	...	...
	Value added in mining, $1,000	15,478	15,478	784	(D)	(D)	...	14,694	3,172	11,522	...	...	....
	Crushed and broken limestone:												
	Number of establishments	91	91	6	2	4	...	85	18	67	...	...	...
	Number of employees	1,784	1,784	(D)	(D)	(D)	...	(D)	447	(D)	...	...	...
	Value added in mining, $1,000	15,286	15,286	(D)	(D)	(D)	...	(D)	3,172	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies.

[1]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for 1 sand and gravel establishment for which the method of mining was not specified.

[3]Figures for one separately operated preparation plant in the Fluorspar Industry are included with those for mines with preparation plants, combination methods and other methods.

[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	KENTUCKY:													
	All mineral operations	2,123	334	36,134	149,586	32,135	53,187	r129,153	321,348	[3]217,238	493,635	[4]44,951	38,917	r272,203
	Mineral industries	2,111	334	36,098	149,465	32,099	53,115	r129,032	320,296	217,175	492,520	44,951	38,895	r272,103
	Included in manufactures	12	...	[5]36	[5]121	[5]36	72	121	1,052	[3]63	1,115	(NA)	[5]22	100
	COUNTIES													
	Allen	20	1	44	127	(NA)	(NA)	(NA)	(NA)	(NA)	280	(NA)	[6]37	(NA)
	Barren	11	1	31	81	(NA)	(NA)	(NA)	(NA)	(NA)	177	(NA)	[6]7	(NA)
	Bell	61	9	688	2,802	(NA)	(NA)	(NA)	(NA)	(NA)	7,442	(NA)	[6]1,037	(NA)
12	Bituminous coal mining	58	9	669	2,722	606	1,002	2,505	5,281	2,918	7,301	898	1,013	5,078
	Boyd (mineral industries only)	13	2	321	1,249	(NA)	(NA)	(NA)	(NA)	(NA)	7,770	(NA)	[6]287	(NA)
	Breathitt	37	3	488	2,297	(NA)	(NA)	(NA)	(NA)	(NA)	6,091	(NA)	[6]506	(NA)
131	Crude petroleum and natural gas	5	1	68	251	(NA)	(NA)	(NA)	(NA)	(NA)	1,495	(NA)	10	(NA)
	Breckinridge (mineral industries only)	19	...	56	169	(NA)	(NA)	(NA)	(NA)	(NA)	516	(NA)	(NA)	(NA)
	Butler	24	2	105	328	(NA)	(NA)	(NA)	(NA)	(NA)	1,700	(NA)	[6]85	(NA)
142	Caldwell	3	2	112	310	99	209	257	634	(D)	948	(D)	78	500
	Carter	21	4	326	1,139	(NA)	(NA)	(NA)	(NA)	(NA)	2,540	(NA)	[6]308	[7]1,271
14	Nonmetallic minerals mining	13	2	228	886	213	320	815	1,452	562	1,939	75	249	915
	Christian, total	23	2	133	500	(NA)	(NA)	(NA)	(NA)	(NA)	2,596	(NA)	[6]55	(NA)
13	Oil and gas extraction	16	...	58	204	(NA)	(NA)	(NA)	(NA)	(NA)	1,242	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	9	...	45	166	(NA)	(NA)	(NA)	(NA)	(NA)	1,163	(NA)	(NA)	(NA)
12 14	Bituminous coal mining and Nonmetallic minerals mining	7	2	75	296	53	47	200	839	665	1,354	150	(NA)	(NA)
	Clay	50	21	1,149	2,868	(NA)	(NA)	(NA)	(NA)	(NA)	10,818	(NA)	[6]764	(NA)
12	Bituminous coal mining	47	21	1,130	2,798	1,071	1,611	2,573	4,707	6,304	10,507	504	733	2,311
	Clinton	10	...	36	106	(NA)	(NA)	(NA)	(NA)	(NA)	269	(NA)	[6]50	(NA)
	Crittenden	7	1	70	252	62	162	219	726	701	1,310	100	234	[7]1,075
13	Cumberland	6	...	6	21	(NA)	(NA)	(NA)	(NA)	(NA)	16	(NA)	[6]17	(NA)
	Daviess (mineral industries only)	114	4	517	2,134	(NA)	(NA)	(NA)	(NA)	(NA)	7,861	(NA)	[6]553	(NA)
13	Oil and gas extraction:													
131	Crude petroleum and natural gas	62	2	290	1,068	(NA)	(NA)	(NA)	(NA)	(NA)	3,593	(NA)	(NA)	(NA)
12	Bituminous coal mining	7	1	115	666	112	250	598	1,957	1,358	3,070	245	169	806
	Elliott	13	...	36	130	(NA)	(NA)	(NA)	(NA)	(NA)	408	(NA)	[6]37	(NA)
	Estill	14	...	53	214	(NA)	(NA)	(NA)	(NA)	(NA)	337	(NA)	[6]104	(NA)
	Floyd	232	24	3,324	13,613	(NA)	(NA)	(NA)	(NA)	(NA)	55,123	(NA)	[6]3,572	(NA)
12	Bituminous coal mining	210	18	3,047	12,573	2,711	3,976	10,960	22,577	22,592	44,044	1,125	3,271	21,922
13	Oil and gas extraction:													
131	Crude petroleum and natural gas	13	3	134	494	(NA)	(NA)	(NA)	(NA)	(NA)	2,968	(NA)	(NA)	(NA)
	Graves (including operations in manufactures)	5	2	94	1,000	77	203	229	842	549	1,258	133	83	1,078
	Green	66	1	148	647	(NA)	(NA)	(NA)	(NA)	(NA)	6,811	(NA)	(NA)	(NA)
138	Oil and gas field services	53	...	65	191	(NA)	(NA)	(NA)	(NA)	(NA)	1,008	(NA)	(NA)	(NA)
	Greenup	7	...	18	71	16	31	59	166	(D)	431	(D)	19	[7]133
	Hancock	24	1	68	235	(NA)	(NA)	(NA)	(NA)	(NA)	850	(NA)	[6]35	(NA)
14	Hardin	6	1	76	239	71	142	218	1,244	473	1,590	127	53	427
	Harlan	113	25	4,089	20,012	(NA)	(NA)	(NA)	(NA)	(NA)	45,232	(NA)	7,185	38,991
12	Bituminous coal mining	109	25	4,055	19,906	3,489	5,861	16,562	32,567	14,781	44,826	2,522	7,185	38,991
	Hart	10	...	30	86	(NA)	(NA)	(NA)	(NA)	(NA)	247	(NA)	[6]25	(NA)
	Henderson, total	106	4	458	1,496	(NA)	(NA)	(NA)	(NA)	(NA)	11,598	(NA)	[6]460	(NA)
13	Oil and gas extraction	98	3	342	1,141	(NA)	(NA)	(NA)	(NA)	(NA)	10,730	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	59	1	180	663	(NA)	(NA)	(NA)	(NA)	(NA)	8,351	(NA)	(NA)	(NA)
138	Oil and gas field services	39	2	162	478	(NA)	(NA)	(NA)	(NA)	(NA)	2,379	(NA)	(NA)	(NA)
12 14	Bituminous coal mining and Nonmetallic minerals mining	8	1	116	355	103	152	306	719	166	868	17	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Hopkins	56	26	3,409	16,986	(NA)	(NA)	(NA)	(NA)	(NA)	46,589	(NA)	[6]3,636	(NA)
12	Bituminous coal mining	44	26	3,390	16,927	2,973	4,928	14,484	34,716	13,357	46,459	1,614	[8]3,359	[8]30,327
	Jackson	11	2	132	275	114	162	225	694	353	887	160	252	(NA)
14	Jefferson (mineral industries only)	11	8	341	1,674	278	677	1,256	3,033	1,669	4,204	498	293	3,066
142	Crushed and broken stone	6	3	146	633	128	269	552	1,482	998	2,251	229	119	1,393
144	Sand and gravel	5	5	185	1,009	150	408	704	1,551	671	1,953	269	214	1,673
	Johnson	57	3	336	918	(NA)	(NA)	(NA)	(NA)	(NA)	2,851	(NA)	[6]343	(NA)
12	Bituminous coal mining	41	1	256	644	221	266	494	1,112	1,169	2,107	174	273	1,056
	Knott, total	71	8	546	1,302	(NA)	(NA)	(NA)	(NA)	(NA)	5,252	(NA)	[6]327	(NA)
12	Bituminous coal mining	52	7	437	915	371	518	791	1,837	1,459	3,013	283	[8]247	[8]1,779
13	Oil and gas extraction	19	1	109	387	(NA)	(NA)	(NA)	(NA)	(NA)	2,239	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	13	1	89	328	(NA)	(NA)	(NA)	(NA)	(NA)	2,038	(NA)	(NA)	(NA)
	Knox	21	...	140	391	(NA)	(NA)	(NA)	(NA)	(NA)	1,698	(NA)	[6]135	(NA)
12	Bituminous coal mining	18	...	115	299	107	129	285	442	1,161	1,534	69	95	418
	Laurel	13	1	115	283	(NA)	(NA)	(NA)	(NA)	(NA)	1,192	(NA)	(NA)	(NA)
12	Bituminous coal mining	10	1	115	283	77	152	256	537	649	1,182	4	95	311
	Lawrence	27	2	157	384	(NA)	(NA)	(NA)	(NA)	(NA)	1,010	(NA)	[6]98	(NA)
	Lee	25	5	275	922	(NA)	(NA)	(NA)	(NA)	(NA)	2,893	(NA)	[6]286	(NA)
131	Crude petroleum and natural gas	13	3	170	626	(NA)	(NA)	(NA)	(NA)	(NA)	2,032	(NA)	(NA)	(NA)
	Leslie	32	13	1,358	3,527	(NA)	(NA)	(NA)	(NA)	(NA)	9,000	(NA)	1,397	7,663
12	Bituminous coal mining	29	13	1,358	3,527	1,323	1,914	3,361	6,416	3,000	8,966	450	1,397	7,663
	Letcher	156	19	2,323	10,638	(NA)	(NA)	(NA)	(NA)	(NA)	35,881	(NA)	(NA)	(NA)
12	Bituminous coal mining	153	19	2,311	10,592	1,991	3,212	8,593	19,817	17,057	35,734	1,140	2,406	15,072
14	Livingston	8	3	164	715	149	281	627	1,615	1,313	2,570	358	94	932
	McCreary	10	3	258	889	(NA)	(NA)	(NA)	(NA)	(NA)	1,956	(NA)	(NA)	(NA)
12	Bituminous coal mining	7	3	256	886	255	456	882	1,289	761	1,951	99	170	846
13	McLean	47	2	119	436	(NA)	(NA)	(NA)	(NA)	(NA)	2,273	(NA)	[6]111	(NA)
131	Crude petroleum and natural gas	31	2	116	427	(NA)	(NA)	(NA)	(NA)	(NA)	1,942	(NA)	(NA)	(NA)
	Magoffin	26	2	200	693	(NA)	(NA)	(NA)	(NA)	(NA)	4,417	(NA)	[6]292	(NA)
13	Oil and gas extraction	20	2	173	626	(NA)	(NA)	(NA)	(NA)	(NA)	4,238	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	14	2	158	582	(NA)	(NA)	(NA)	(NA)	(NA)	4,142	(NA)	225	(NA)
	Marion	4	...	27	86	23	17	76	151	102	251	2	21	(NA)
	Martin	33	3	228	795	(NA)	(NA)	(NA)	(NA)	(NA)	5,395	(NA)	[6]92	(NA)
13	Oil and gas extraction	28	2	185	674	(NA)	(NA)	(NA)	(NA)	(NA)	5,184	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	15	1	109	402	(NA)	(NA)	(NA)	(NA)	(NA)	2,045	(NA)	(NA)	(NA)
	Meade	4	2	92	395	77	144	343	751	350	1,029	72	[6]45	(NA)
	Morgan	5	1	54	170	47	82	129	303	218	385	136	[6]42	(NA)
	Muhlenberg	81	15	1,863	9,716	(NA)	(NA)	(NA)	(NA)	(NA)	33,802	(NA)	[6]1,714	(NA)
12	Bituminous coal mining	29	14	1,690	9,117	1,570	2,605	8,258	24,837	9,686	31,016	3,507	[8]1,639	[8]11,957
131	Crude petroleum and natural gas	22	...	80	295	(NA)	(NA)	(NA)	(NA)	(NA)	1,651	(NA)	115	(NA)
	Ohio	75	5	513	2,577	(NA)	(NA)	(NA)	(NA)	(NA)	12,640	(NA)	[6]533	(NA)
12	Bituminous coal mining	11	2	288	1,809	258	491	1,608	7,933	2,165	9,498	600	352	3,880
131	Crude petroleum and natural gas	39	2	156	575	(NA)	(NA)	(NA)	(NA)	(NA)	2,518	(NA)	(NA)	(NA)
	Perry	100	26	2,923	12,257	(NA)	(NA)	(NA)	(NA)	(NA)	30,646	(NA)	2,657	14,860
12	Bituminous coal mining	97	26	2,920	12,251	2,644	4,032	11,100	18,589	13,167	30,619	1,137	2,657	14,860
	Pike (mineral industries only), total	313	31	4,348	17,771	(NA)	(NA)	(NA)	(NA)	(NA)	45,974	(NA)	[6]4,384	(NA)
12	Bituminous coal mining	264	26	4,015	16,646	3,578	5,195	14,532	25,896	15,725	38,881	2,740	(NA)	(NA)
1211	Bituminous coal	261	25	3,961	16,303	3,526	5,123	14,226	25,527	15,163	38,034	2,656	4,064	22,138
13	Oil and gas extraction	49	5	333	1,125	(NA)	(NA)	(NA)	(NA)	(NA)	7,093	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	17	4	194	715	(NA)	(NA)	(NA)	(NA)	(NA)	5,932	(NA)	(NA)	(NA)
138	Oil and gas field services	32	1	139	410	(NA)	(NA)	(NA)	(NA)	(NA)	1,161	(NA)	(NA)	(NA)
	Powell (mineral industries only)	9	...	34	111	(NA)	(NA)	(NA)	(NA)	(NA)	413	(NA)	[6]28	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Pulaski	13	1	116	370	101	186	308	822	408	1,147	83	(NA)	(NA)
	Rockcastle	5	1	55	179	48	91	151	412	(D)	625	(D)	(NA)	(NA)
	Rowan (including operations in manufactures)	4	...	27	79	23	50	68	195	(D)	320	(D)	33	141
	Todd	4	...	18	39	(NA)	(NA)	(NA)	(NA)	(NA)	111	(NA)	19	79
	Trigg	4	...	47	125	40	82	101	166	159	325	...	(NA)	(NA)
	Union	51	5	831	3,969	(NA)	(NA)	(NA)	(NA)	(NA)	13,660	(NA)	[6]739	(NA)
131	Crude petroleum and natural gas	27	2	105	387	(NA)	(NA)	(NA)	(NA)	(NA)	4,431	(NA)	115	(NA)
	Warren	16	1	75	210	(NA)	(NA)	(NA)	(NA)	(NA)	858	(NA)	[6]59	(NA)
	Webster, total	53	5	315	1,689	(NA)	(NA)	(NA)	(NA)	(NA)	8,563	(NA)	[6]161	(NA)
12	Bituminous coal mining	8	2	170	1,172	160	346	1,109	2,608	3,166	5,375	399	(NA)	(NA)
13	Oil and gas extraction	45	3	145	517	(NA)	(NA)	(NA)	(NA)	(NA)	3,188	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	31	3	122	449	(NA)	(NA)	(NA)	(NA)	(NA)	2,807	(NA)	103	(NA)
	Wolfe	6	...	23	58	(NA)	(NA)	(NA)	(NA)	(NA)	181	(NA)	[6]18	(NA)
13	Undistributed, total	114	3	686	2,480	(NA)	(NA)	(NA)	(NA)	(NA)	10,504	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	61	2	507	1,868	(NA)	(NA)	(NA)	(NA)	(NA)	8,833	(NA)	(NA)	(NA)
138	Oil and gas field services	53	1	179	612	(NA)	(NA)	(NA)	(NA)	(NA)	1,671	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[2]For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[3]For sand and gravel and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]Excludes data for sand and gravel and clay mining operations in manufacturing establishments.
[5]See table 2A, footnote 4.
[6]Excludes data for Oil and Gas Field Services Industries.
[7]Excludes data for one crude petroleum and natural gas operation.
[8]Represents the Bituminous Coal Industry only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Kentucky, total.....	2,123	2,111	12	...	...	...	...	...	...	...	...	1,306	8	374	8	253	3	...	95	...	32	1	21	11	10	1	...	...
No employees.....	134	133	1	...	...	...	...	...	...	...	...	66	...	53	...	5	2	...	1	...	2	...	3	1	1	...	...	...
1-4 employees.....	900	890	10	...	...	...	...	...	...	...	...	503	3	213	3	142	1	...	6	...	10	1	5	9	4	...	...	...
5-9 employees.....	400	400	...	...	...	...	...	...	...	...	...	272	1	50	1	53	...	...	9	...	8	...	4	...	2	...	...	...
10-19 employees...	355	354	1	...	...	...	...	...	...	...	...	233	2	28	...	37	...	...	42	...	6	...	3	1	2	1	...	...
20-49 employees...	200	200	...	...	...	...	...	...	...	...	...	119	2	21	3	12	...	...	34	...	5	...	4	...	...	...	...	...
50-99 employees...	60	60	...	...	...	...	...	...	...	...	...	43	...	6	1	4	...	...	3	...	1	...	1	...	1	...	...	...
100-249 employees.	53	53	...	...	...	...	...	...	...	...	...	50	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250-499 employees.	17	17	...	...	...	...	...	...	...	...	...	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	4	4	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adair:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Allen:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	14	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Anderson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Barren:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	1	...	8	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Bath:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bell:																												
0-19 employees....	52	52	...	...	...	...	...	...	...	...	...	49	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Boone:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Bourbon:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Boyd:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	7	...	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Boyle:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Breathitt:																												
0-19 employees....	34	34	...	...	...	...	...	...	...	...	...	9	...	4	...	21	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	1	...	..	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Breckinridge:																												
0-19 employees....	20	19	1	...	...	...	...	...	...	...	...	...	...	6	...	10	...	...	2	...	1	...	...	1	...	...	...	...
Bullitt:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Butler:																												
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	6	...	7	...	9	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Caldwell:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Calloway:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Campbell:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Carroll:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
Carter:																											
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	3	...	...	...	3	...	...	3	...	...	...	8	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Casey:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Christian:																											
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	4	...	9	...	7	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Clark:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Clay:																											
0-19 employees....	29	29	...	...	...	...	...	...	...	...	...	26	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	20	20	...	...	...	...	...	...	...	...	...	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clinton:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	3	...	5	...	1	...	...	1	...	...	...	...	...	...	...	...
Crittenden:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cumberland:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Daviess:																											
0-19 employees....	112	110	2	...	...	...	...	...	...	...	...	6	...	60	...	42	...	...	...	...	2	...	...	2	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Edmonson:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Elliott:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	3	...	8	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Estill:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	1	...	9	...	3	...	...	1	...	...	...	...	...	...	...	...	...
Fayette:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Fleming:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Floyd:																											
0-19 employees....	208	208	...	...	...	...	...	...	...	...	...	192	...	10	1	4	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	11	...	2	1	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Fulton:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Gallatin:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Garrard:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
Graves:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Grayson:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...
Green:																											
0-19 employees....	65	65	...	...	...	...	...	...	...	...	...	...	...	11	...	53	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Greenup:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	4	...	...	1	...	...
Hancock:																											
0-19 employees....	23	23	...	...	...	...	...	...	...	...	...	1	...	11	...	9	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Hardin:																											
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Harlan:																											
0-19 employees	88	88	...	...	...	...	...	...	...	...	...	83	1	1	...	1	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees	14	14	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Harrison:																											
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hart:																											
0-19 employees	10	10	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	1	...	...	...	...	...	...	...	...	...
Henderson:																											
0-19 employees	102	102	...	...	...	...	...	...	...	...	...	6	...	58	...	37	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Hopkins:																											
0-19 employees	30	30	...	...	...	...	...	...	...	...	...	16	2	7	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	15	15	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees	9	9	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	3	...	...	...	...
20-99 employees	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	...	...	...	...	...
Jessamine:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Johnson:																											
0-19 employees	54	54	...	...	...	...	...	...	...	...	...	40	...	10	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Kenton:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Knott:																											
0-19 employees	63	63	...	...	...	...	...	...	...	...	...	45	...	12	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	8	8	...	...	...	...	...	...	...	...	...	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Knox:																											
0-19 employees	21	21	...	...	...	...	...	...	...	...	...	18	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laurel:																											
0-19 employees	12	12	...	...	...	...	...	...	...	...	...	9	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees	25	25	...	...	...	...	...	...	...	...	...	1	...	16	1	6	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lee:																											
0-19 employees	20	20	...	...	...	...	...	...	...	...	...	...	...	10	1	9	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Leslie:																											
0-19 employees	19	19	...	...	...	...	...	...	...	...	...	16	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Letcher:																											
0-19 employees	137	137	...	...	...	...	...	...	...	...	...	132	2	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...
20-99 employees	15	15	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Livingston:																											
0-19 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	4	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...
Logan:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
McCreary:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	4	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McLean:																											
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	29	...	16	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Magoffin:																											
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	6	...	12	...	6	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Martin:																											
0-19 employees....	30	30	...	...	...	...	...	...	...	...	...	3	...	14	...	12	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Mason:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Meade:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Menifee:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Mercer:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Metcalfe:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Morgan:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Muhlenberg:																											
0-19 employees....	66	66	...	...	...	...	...	...	...	...	...	15	...	22	...	28	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	9	9	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nelson:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Ohio:																											
0-19 employees....	70	70	...	...	...	...	...	...	...	...	...	9	...	37	...	24	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oldham:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Owsley:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Pendleton:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Perry:																											
0-19 employees....	74	74	...	...	...	...	...	...	...	...	...	71	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	22	22	...	...	...	...	...	...	...	...	...	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pike:																											
0-19 employees....	283	282	1	...	...	...	...	...	...	...	...	236	2	13	...	31	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	21	21	...	...	...	...	...	...	...	...	...	15	1	4	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Powell:																											
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	1	...	...	...	1	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Pulaski:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Rockcastle:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Rowan:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...
Simpson:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...
Taylor:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Todd:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...	...	...	...	...	...	...
Trigg:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Union:																												
0-19 employees....	46	46	...	...	...	...	...	...	...	1	...	...	...	25	...	19	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	5	...	7	...	...	3	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	1	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Webster:																												
0-19 employees....	48	48	...	...	...	...	...	...	...	...	...	6	...	28	...	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whitley:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	16	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wolfe:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	111	111	...	...	...	...	...	...	...	...	...	...	...	59	...	52	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

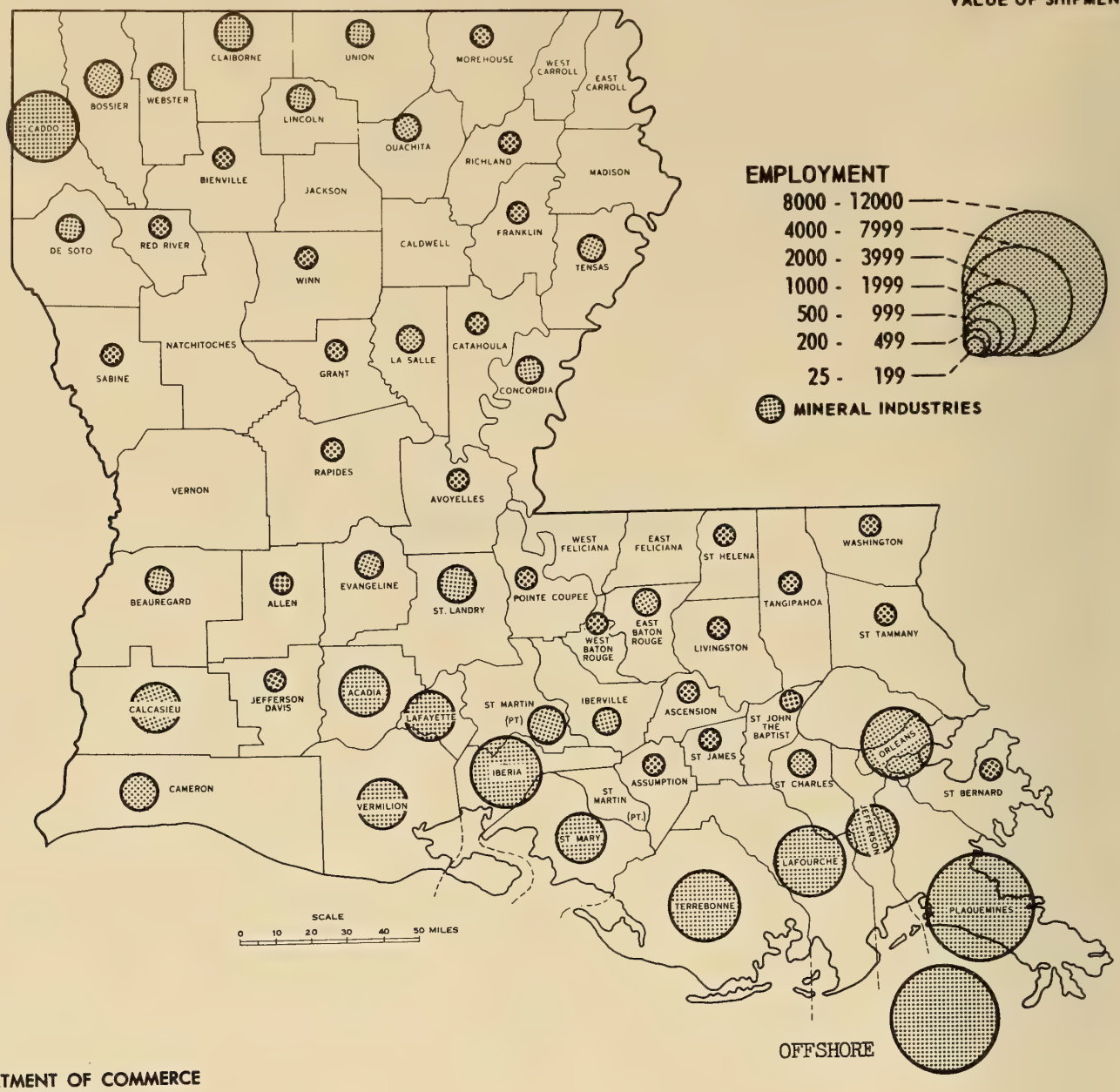
LOUISIANA

15-1

EMPLOYMENT IN MINING BY PARISH: 1958

LOUISIANA

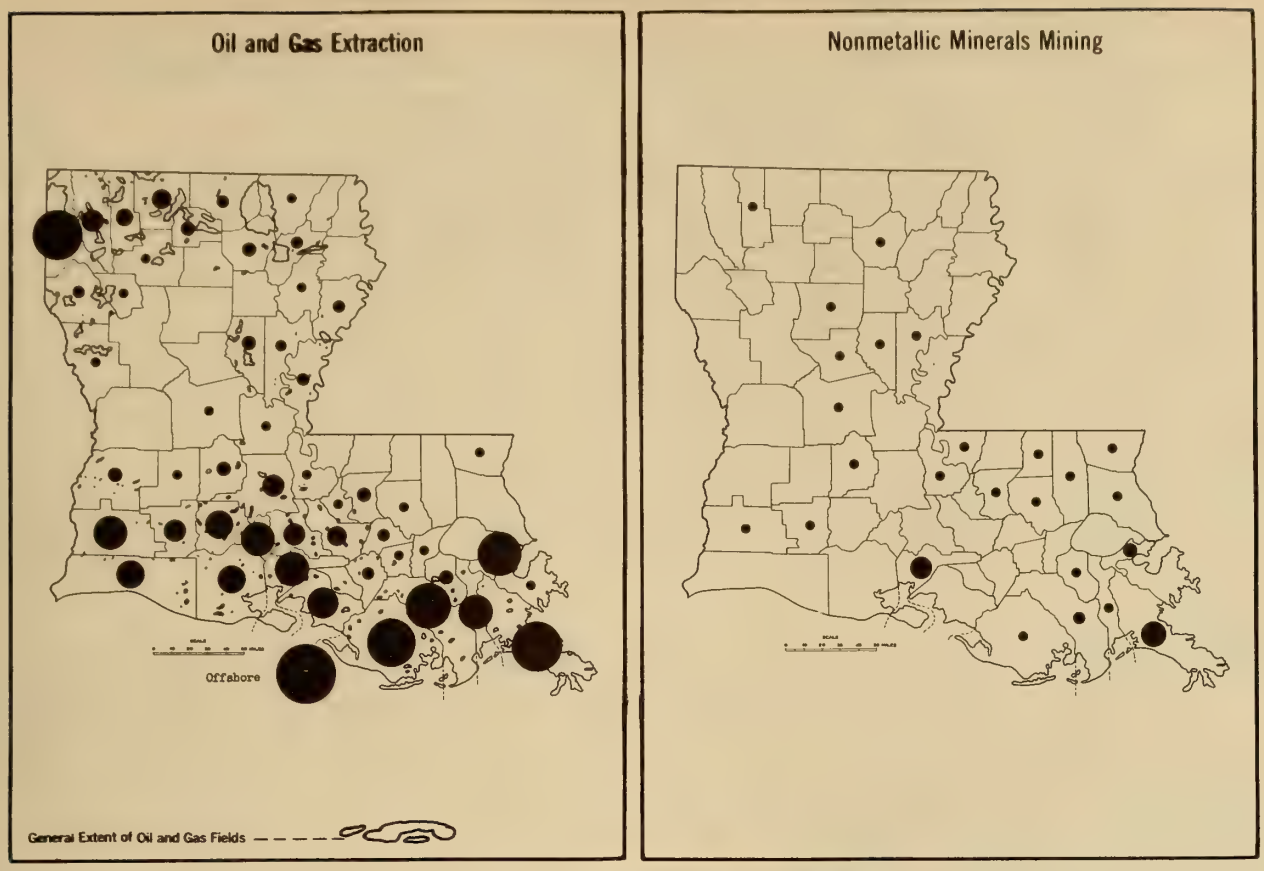
RANK AMONG STATES
EMPLOYMENT - 4
VALUE OF SHIPMENTS - 2



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN LOUISIANA

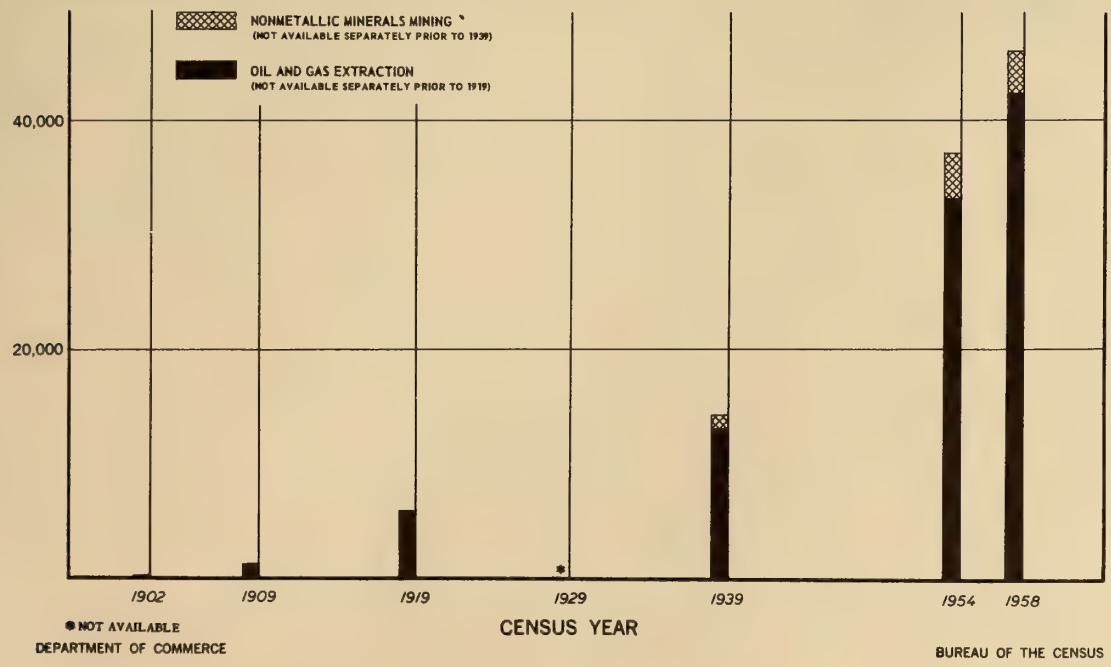
Employment For Industry Group By Parish: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

LOUISIANA



* NOT AVAILABLE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[4]	Capital expenditures[3]	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll	Number	Man-hours	Wages		Supplies, purchases for resale, and purchased fuels and electricity[1]	Minerals received for preparation[2]	Contract work[1]	Purchased machinery installed[3]			Total[3]	Per production worker
				($1,000)		(1,000)	($1,000)	($1,000)					($1,000)	($1,000)	(million)	(1,000)
Mineral industries only:																
1958	1,121	344	46,136	264,929	33,268	75,422	174,570	1,527,697	338,691	112,644	349,184	144,851	1,902,976	570,091	r47,946	r1,441
1954	895	284	37,108	179,251	29,474	65,780	132,617	984,473	5230,919	(5)	260,574	150,157	1,194,947	431,176	43,447	1,474
Including operations in manufactures: All operations:																
1958	1,132	344	46,161	265,027	33,293	75,470	174,668	1,528,053	338,885	112,644	349,184	144,851	1,903,526	570,091	r47,946	r1,440
1954[6]	911	286	37,209	179,489	29,575	65,982	132,855	984,976	5231,042	(5)	260,574	150,157	1,195,573	431,176	43,447	1,469
1939	7573	(NA)	14,475	24,375	12,244	22,496	18,351	r92,879	14,288	(NA)	26,661	(NA)	133,828	(NA)	16,448	1,343
1919[8]	139	(NA)	5,661	8,548	4,873	(NA)	7,083	r19,988	9,196	9741	2,091	(NA)	32,016	(NA)	105,321	10940
1909[11]	33	(NA)	1,089	1,200	951	(NA)	873	r4,892	1,586	97	62	(NA)	6,547	(NA)	(NA)	(NA)
1902	73	(NA)	82	52	1270	(NA)	43	85	23	(NA)	171	(NA)	279	(NA)	(NA)	(NA)
Excluding oil and gas extraction and common clay and shale industries:																
1958	93	36	3,671	18,081	2,672	5,965	11,696	69,086	15,251	42	6,444	9,284	81,318	18,789	r5,346	r2,001
1954[6]	70	33	3,615	14,367	2,857	6,398	10,522	60,635	14,880	...	807	2,070	73,980	4,412	3,880	1,358
1939	734	(NA)	1,645	2,118	1,360	2,761	1,314	9,517	1,486	(NA)	9	(NA)	11,012	(NA)	1,004	738
1929[13]	17	(NA)	511	663	439	(NA)	442	1,358	672	(NA)	1	128	2,031	(NA)	127	289

NA Not available. rRevised.

[1]For sand and gravel and clay mining operations in manufacturing establishments, in 1958 and 1954 the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[2]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For 1958 and 1954, excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[4]For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[5]Cost of minerals received for preparation is included with cost of supplies, etc.

[6]Excludes data for any sand and gravel mining operations in manufacturing establishments and except for number of establishments, excludes data for 2 crushed and broken stone quarries in manufacturing establishments.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for 1 limestone establishment and 1 sulfur establishment.

[9]Includes data for gas purchased for resale.

[10]Excludes purchased electricity. For 1939, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used.

[11]Excludes data for 2 nonproducing establishments.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for 1 limestone establishment.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	1,132	344	46,161	265,027	33,293	75,470	174,668	1,528,053	945,564	1,903,526	(NA)	37,209	984,976
	Mineral industries	1,121	344	46,136	264,929	33,268	75,422	174,570	1,527,697	945,370	1,902,976	570,091	37,108	984,473
	Included in manufactures	11	...	[1]25	[1]98	[1]25	48	98	356	[1]194	[1]550	(NA)	[1]101	503
13	Oil and gas extraction	1,026	306	42,398	246,492	30,540	69,316	162,636	1,458,127	913,903	1,820,772	551,258	33,412	922,777
1311	Crude petroleum and natural gas	529	80	20,532	130,908	11,973	25,227	71,210	1,181,307	627,217	1,321,899	486,625	16,956	738,888
	Crude petroleum	445	61	18,044	115,527	10,462	21,712	62,538	1,042,579	556,739	1,163,021	436,297	15,773	683,386
	Natural gas	84	19	2,488	15,381	1,511	3,515	8,672	138,728	70,478	158,878	50,328	1,183	55,502
1321	Natural gas liquids	55	21	1,208	7,172	1,013	2,062	5,904	56,550	129,695	172,772	13,473	1,201	[2]44,152
138	Oil and gas field services	442	205	20,658	108,412	17,554	42,027	85,522	220,270	156,991	326,101	51,160	15,255	139,737
1381	Drilling oil and gas wells	214	122	11,006	66,060	9,516	23,605	54,110	151,547	109,697	220,166	41,078	9,046	96,696
1382	Oil and gas exploration services	31	16	3,396	13,965	2,411	4,849	8,434	18,973	6,309	22,628	2,654	[3]1,454	[3]8,893
1389	Oil and gas field services, nec	197	67	6,256	28,387	5,627	13,573	22,978	49,750	40,985	83,307	7,428	[4]4,755	[4]34,148
	Nonmetallic minerals mining	106	38	3,763	18,535	2,753	6,154	12,032	69,926	31,661	82,754	(NA)	3,797	62,199
14	Mineral industries[5]	95	38	3,738	18,437	2,728	6,106	11,934	69,570	31,467	82,204	18,833	3,696	61,696
	Included in manufactures	11	...	[1]25	[1]98	[1]25	48	98	356	[1]194	[1]550	(NA)	[1]101	503
1441	Sand and gravel (mineral industry only)	77	24	1,223	4,648	1,043	2,592	3,824	11,684	6,984	16,891	1,777	1,119	7,363
145	Clay and related minerals (mineral industries only)	4	2	81	408	69	166	283	707	501	1,159	49	(NA)	(NA)
1459	Clay and related minerals, nec (mineral industry and included in manufactures)	13	2	[1]92	[1]454	[1]81	189	336	840	[1]640	[1]1,436	[6]44	[1]182	1,564

NA Not available.

[1]Number of production and development workers for sand and gravel and clay mining operations included in manufactures was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are shown for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations. Cost of supplies, etc. excludes cost of purchased machinery at such operations.

[2]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of such gas was used in computing value added in mining.

[3]Represents geophysical exploration work only.

[4]Includes data for "other exploration work," if any.

[5]Except for number of establishments, includes figures for the Louisiana operations of one service establishment primarily engaged in metal mining services in other States.

[6]Excludes figures for sand and gravel and clay mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	945,370	338,691	112,644	349,184	144,851	570,091	290,513	279,578	xxx	xxx	xxx	xxx
13	Oil and gas extraction	913,903	323,044	112,602	342,713	135,544	551,258	290,480	260,778	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	627,217	223,588	...	316,410	87,219	486,625	284,511	202,114	xxx	1,316,562	xxx	8,730
	Crude petroleum	556,739	197,887	...	287,375	71,477	436,297	257,202	179,095	[3]293,683	947,237	[3]19,064	60,870
	Natural gas	70,478	25,701	...	29,035	15,742	50,328	27,309	23,019	[4]629,696	102,778	[4]1,599,935	214,407
1321	Natural gas liquids	129,695	4,150	112,602	5,982	6,961	13,473	...	13,473	[5]24,747	[5]70,580	...	...
138	Oil and gas field services	156,991	95,306	...	20,321	41,364	51,160	5,969	45,191	xxx	[6]319,549	xxx	([6])
1381	Drilling oil and gas wells	109,697	61,871	...	15,118	32,708	41,078	5,968	35,110	xxx	[6]214,205	xxx	([6])
1382	Oil and gas exploration services	6,309	3,633	...	598	2,078	2,654	...	2,654	xxx	[6]22,884	xxx	([6])
1389	Oil and gas field services, nec	40,985	29,802	...	4,605	6,578	7,428	1	7,427	xxx	[6]82,460	xxx	([6])
14	Nonmetallic minerals mining[7]	31,467	15,647	42	6,471	9,307	18,833	33	18,800	xxx	xxx	xxx	xxx
1441	Sand and gravel	6,984	5,203	...	408	1,373	1,777	24	1,753	13,283	[8]16,465	180	([8])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[4]Represents millions of cubic feet of natural gas shipped.

[5]Represents net shipments of natural gas liquids. Quantity figures are in thousands of barrels.

[6]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[7]Includes figures for the Louisiana operations of one service establishment primarily engaged in metal mining services in other States.

[8]Figures for value of primary products shipped in other industries are included with those for value of primary products shipped in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All mineral industries:												
	Number of establishments	679	639	515	...	14	501	68	2	44	22	56	40
	Number of employees	25,478	25,234	(D)	...	(D)	(D)	1,944	(D)	1,004	(D)	(D)	244
	Value added in mining, $1,000	[3]1,307,427	(D)	(D)	...	(D)	(D)	23,006	(D)	9,545	(D)	(D)	(4)
13	Oil and gas extraction:												
	Number of establishments	584	547	492	...	...	492	...	...	...	...	55	32
	Number of employees	21,740	21,560	20,352	...	...	20,352	...	...	...	...	1,208	180
	Value added in mining, $1,000	1,237,857	(D)	1,185,306	...	...	1,185,306	...	...	...	...	56,550	(4)
131	Crude petroleum and natural gas:												
	Number of establishments	529	492	492	...	...	492	...	...	...	...	...	37
	Number of employees	20,532	20,352	20,352	...	...	20,352	...	...	...	...	...	180
	Value added in mining, $1,000	1,181,307	1,185,306	1,185,306	...	...	1,185,306	...	...	...	...	...	(4)
132	Natural gas liquids:												
	Number of establishments	55	55	...	...	...	...	...	...	...	...	55	...
	Number of employees	1,208	1,208	...	...	...	...	...	...	...	...	1,208	...
	Value added in mining, $1,000	56,550	56,550	...	...	...	...	...	...	...	...	56,550	...
14	Nonmetallic minerals mining:												
	Number of establishments	95	92	23	...	14	9	68	2	44	22	1	3
	Number of employees	3,738	3,674	(D)	...	(D)	(D)	1,944	(D)	1,004	(D)	(D)	64
	Value added in mining, $1,000	[3]69,570	(D)	(D)	...	(D)	(D)	23,006	(D)	9,545	(D)	(D)	(D)
144	Sand and gravel:												
	Number of establishments	77	76	15	...	11	4	61	...	41	20	...	1
	Number of employees	1,223	(D)	108	...	93	15	(D)	...	923	(D)	...	(D)
	Value added in mining, $1,000	11,684	(D)	860	...	570	290	(D)	...	8,896	(D)	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 7 sand and gravel establishments for which the method of mining was not specified.
[3]Includes figures for the Louisiana operations of one service establishment primarily engaged in metal mining services in other States.
[4]Not shown since the cost of supplies, minerals received for preparation, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Parish and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	LOUISIANA:													
	All mineral operations	1,132	344	46,161	265,027	33,293	75,470	174,668	1,528,053	945,564	1,903,526	(NA)	37,209	984,976
	Mineral industries[4]	1,121	344	46,136	264,929	33,268	75,422	174,570	1,527,697	945,370	1,902,976	570,091	37,108	984,473
	Included in manufactures	11	...	[5]25	[5]98	[5]25	48	98	356	[5]194	550	(NA)	[5]101	503
	PARISH[2]													
13	Acadia	127	14	1,002	5,796	(NA)	(NA)	(NA)	(NA)	(NA)	83,585	(NA)	[6]514	(NA)
131	Crude petroleum and natural gas	52	4	436	2,737	(NA)	(NA)	(NA)	(NA)	(NA)	40,554	(NA)	430	(NA)
	Allen	36	1	116	632	(NA)	(NA)	(NA)	(NA)	(NA)	9,297	(NA)	[6]75	(NA)
131	Crude petroleum and natural gas	10	1	41	257	(NA)	(NA)	(NA)	(NA)	(NA)	5,766	(NA)	(NA)	(NA)
13	Ascension	19	3	174	1,063	(NA)	(NA)	(NA)	(NA)	(NA)	1,602	(NA)	(NA)	(NA)
13	Assumption, total	51	4	164	928	(NA)	(NA)	(NA)	(NA)	(NA)	15,072	(NA)	[6]47	(NA)
131	Crude petroleum and natural gas	22	...	65	408	(NA)	(NA)	(NA)	(NA)	(NA)	11,183	(NA)	47	(NA)
138	Oil and gas field services	29	4	99	520	(NA)	(NA)	(NA)	(NA)	(NA)	3,889	(NA)	(NA)	(NA)
	Avoyelles	11	1	58	332	(NA)	(NA)	(NA)	(NA)	(NA)	2,504	(NA)	[6]116	(NA)
131	Crude petroleum and natural gas	4	...	27	169	(NA)	(NA)	(NA)	(NA)	(NA)	2,031	(NA)	(NA)	(NA)
	Beauregard, total	65	4	320	1,789	(NA)	(NA)	(NA)	(NA)	(NA)	18,050	(NA)	[6]147	(NA)
131	Crude petroleum and natural gas	24	1	103	647	(NA)	(NA)	(NA)	(NA)	(NA)	13,794	(NA)	98	(NA)
138	Oil and gas field services	36	2	162	850	(NA)	(NA)	(NA)	(NA)	(NA)	2,628	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	5	1	55	292	46	92	241	1,869	558	1,628	799	49	(NA)
	Bienville (mineral industries only)	36	...	81	458	(NA)	(NA)	(NA)	(NA)	(NA)	6,312	(NA)	[6]18	(NA)
131	Crude petroleum and natural gas	18	...	32	201	(NA)	(NA)	(NA)	(NA)	(NA)	5,544	(NA)	(NA)	(NA)
13	Bossier	76	9	646	3,662	(NA)	(NA)	(NA)	(NA)	(NA)	35,972	(NA)	[6]188	(NA)
131	Crude petroleum and natural gas	41	4	239	1,500	(NA)	(NA)	(NA)	(NA)	(NA)	22,028	(NA)	(NA)	(NA)
	Caddo, total	218	34	3,359	20,454	(NA)	(NA)	(NA)	(NA)	(NA)	35,917	(NA)	[6]1,594	(NA)
131	Crude petroleum and natural gas	143	22	2,558	16,313	(NA)	(NA)	(NA)	(NA)	(NA)	27,694	(NA)	1,516	(NA)
138	Oil and gas field services	68	11	701	3,680	(NA)	(NA)	(NA)	(NA)	(NA)	5,886	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	7	1	100	461	77	167	354	1,321	1,421	2,337	405	78	(NA)
	Calcasieu (mineral industries only), total	135	19	1,665	9,734	(NA)	(NA)	(NA)	(NA)	(NA)	44,926	(NA)	[6]1,131	(NA)
131	Crude petroleum and natural gas	55	8	939	5,894	(NA)	(NA)	(NA)	(NA)	(NA)	28,625	(NA)	(NA)	(NA)
138	Oil and gas field services	77	10	591	3,102	(NA)	(NA)	(NA)	(NA)	(NA)	8,687	(NA)	(NA)	(NA)
132 and 147	Natural gas liquids and chemical and fertilizer minerals	3	1	135	738	113	245	635	2,406	5,212	7,614	4	(NA)	(NA)
13	Cameron	101	12	918	5,254	(NA)	(NA)	(NA)	(NA)	(NA)	76,580	(NA)	[6]676	(NA)
131	Crude petroleum and natural gas	32	5	366	2,297	(NA)	(NA)	(NA)	(NA)	(NA)	64,942	(NA)	(NA)	(NA)
	Catahoula	37	2	167	887	(NA)	(NA)	(NA)	(NA)	(NA)	3,639	(NA)	[6]50	(NA)
13	Oil and gas extraction, total	33	1	123	660	(NA)	(NA)	(NA)	(NA)	(NA)	3,015	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	10	...	14	88	(NA)	(NA)	(NA)	(NA)	(NA)	1,939	(NA)	(NA)	(NA)
138	Oil and gas field services	23	1	109	572	(NA)	(NA)	(NA)	(NA)	(NA)	1,076	(NA)	(NA)	(NA)
13	Claiborne	82	11	541	3,208	(NA)	(NA)	(NA)	(NA)	(NA)	22,606	(NA)	[6]490	(NA)
131	Crude petroleum and natural gas	44	6	335	2,103	(NA)	(NA)	(NA)	(NA)	(NA)	16,484	(NA)	[6]408	(NA)
13	Concordia	48	1	199	1,159	(NA)	(NA)	(NA)	(NA)	(NA)	16,155	(NA)	[6]91	(NA)
131	Crude petroleum and natural gas	27	1	111	697	(NA)	(NA)	(NA)	(NA)	(NA)	14,712	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	Parish and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PARISH—Continued													
13	De Soto, total	70	1	230	1,328	(NA)	(NA)	(NA)	(NA)	(NA)	12,626	(NA)	[6]72	(NA)
131	Crude petroleum and natural gas	43	1	111	703	(NA)	(NA)	(NA)	(NA)	(NA)	8,365	(NA)	(NA)	(NA)
138	Oil and gas field services	27	...	119	625	(NA)	(NA)	(NA)	(NA)	(NA)	4,261	(NA)	(NA)	(NA)
	East Baton Rouge (mineral industries only), total	26	3	309	1,718	(NA)	(NA)	(NA)	(NA)	(NA)	5,996	(NA)	[6]183	(NA)
13	Oil and gas extraction	19	2	246	1,430	(NA)	(NA)	(NA)	(NA)	(NA)	4,704	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	10	1	135	847	(NA)	(NA)	(NA)	(NA)	(NA)	4,276	(NA)	160	(NA)
14	Nonmetallic minerals mining	7	1	63	288	55	129	263	1,041	263	1,292	12	123	680
	Evangeline, total	41	6	354	1,789	(NA)	(NA)	(NA)	(NA)	(NA)	11,744	(NA)	[6]379	(NA)
131	Crude petroleum and natural gas	14	...	37	232	(NA)	(NA)	(NA)	(NA)	(NA)	6,294	(NA)	188	(NA)
138	Oil and gas field services	22	3	188	987	(NA)	(NA)	(NA)	(NA)	(NA)	1,608	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	5	3	129	570	117	253	506	1,853	2,256	3,842	267	191	(NA)
13	Franklin	19	1	68	390	(NA)	(NA)	(NA)	(NA)	(NA)	1,741	(NA)	[6]14	(NA)
131	Crude petroleum and natural gas	9	1	32	201	(NA)	(NA)	(NA)	(NA)	(NA)	1,311	(NA)	(NA)	(NA)
	Iberia, total	77	15	2,211	11,539	(NA)	(NA)	(NA)	(NA)	(NA)	72,851	(NA)	[6]1,246	(NA)
13	Oil and gas extraction, total	74	12	1,536	8,701	(NA)	(NA)	(NA)	(NA)	(NA)	58,705	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	19	3	620	3,892	(NA)	(NA)	(NA)	(NA)	(NA)	44,888	(NA)	476	(NA)
138	Oil and gas field services	55	9	916	4,809	(NA)	(NA)	(NA)	(NA)	(NA)	13,817	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining	3	3	675	2,838	604	1,223	2,427	10,578	5,237	14,146	1,669	770	9,152
13	Iberville, total	45	7	433	2,497	(NA)	(NA)	(NA)	(NA)	(NA)	21,945	(NA)	[6]273	(NA)
131	Crude petroleum and natural gas	19	3	218	1,368	(NA)	(NA)	(NA)	(NA)	(NA)	19,841	(NA)	(NA)	(NA)
138	Oil and gas field services	26	4	215	1,129	(NA)	(NA)	(NA)	(NA)	(NA)	2,104	(NA)	(NA)	(NA)
13	Jackson	3	...	1	6	(NA)	(NA)	(NA)	(NA)	(NA)	98	(NA)	(NA)	(NA)
	Jefferson, total	76	16	1,678	9,826	(NA)	(NA)	(NA)	(NA)	(NA)	34,519	(NA)	[6]729	(NA)
131	Crude petroleum and natural gas	19	6	891	5,593	(NA)	(NA)	(NA)	(NA)	(NA)	27,285	(NA)	(NA)	(NA)
138	Oil and gas field services	51	8	669	3,512	(NA)	(NA)	(NA)	(NA)	(NA)	6,457	(NA)	(NA)	(NA)
132 and 14	Natural gas liquids and nonmetallic minerals mining	6	2	118	721	43	94	238	2,156	11,256	777	12,635	(NA)	(NA)
	Jefferson Davis, total	78	11	734	4,165	(NA)	(NA)	(NA)	(NA)	(NA)	38,627	(NA)	[6]252	(NA)
131	Crude petroleum and natural gas	26	3	308	1,933	(NA)	(NA)	(NA)	(NA)	(NA)	25,573	(NA)	114	(NA)
138	Oil and gas field services	47	5	278	1,459	(NA)	(NA)	(NA)	(NA)	(NA)	3,657	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	5	3	148	774	122	300	619	4,418	5,359	9,397	380	138	(NA)
	Lafayette (mineral industries only)	85	15	1,418	8,402	(NA)	(NA)	(NA)	(NA)	(NA)	8,912	(NA)	[6]579	(NA)
131	Crude petroleum and natural gas	33	9	937	5,883	(NA)	(NA)	(NA)	(NA)	(NA)	2,253	(NA)	(NA)	(NA)
	Lafourche	141	37	2,859	16,483	(NA)	(NA)	(NA)	(NA)	(NA)	142,065	(NA)	[6]817	(NA)
131	Crude petroleum and natural gas	38	12	1,445	9,070	(NA)	(NA)	(NA)	(NA)	(NA)	114,570	(NA)	(NA)	(NA)
	La Salle	40	5	324	1,886	(NA)	(NA)	(NA)	(NA)	(NA)	14,362	(NA)	[6]527	(NA)
131	Crude petroleum and natural gas	26	4	265	1,663	(NA)	(NA)	(NA)	(NA)	(NA)	13,736	(NA)	(NA)	(NA)
	Lincoln, total	36	4	267	1,528	(NA)	(NA)	(NA)	(NA)	(NA)	27,911	(NA)	[6]160	(NA)
131	Crude petroleum and natural gas	17	1	107	672	(NA)	(NA)	(NA)	(NA)	(NA)	9,387	(NA)	62	(NA)
138	Oil and gas field services	15	1	57	299	(NA)	(NA)	(NA)	(NA)	(NA)	869	(NA)	(NA)	(NA)
132 and 145	Natural gas liquids and clay and related minerals	4	2	103	557	86	162	450	6,427	11,252	17,655	24	98	(NA)
	Livingston	10	1	73	282	(NA)	(NA)	(NA)	(NA)	(NA)	870	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	Parish and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PARISH—Continued													
13	Madison	6	...	7	43	(NA)	(NA)	(NA)	(NA)	(NA)	655	(NA)	(NA)	(NA)
13	Morehouse	10	...	25	155	(NA)	(NA)	(NA)	(NA)	(NA)	9,010	(NA)	[6]42	(NA)
	Natchitoches	10	...	5	30	(NA)	(NA)	(NA)	(NA)	(NA)	234	(NA)	(NA)	(NA)
	Orleans	48	15	2,907	20,091	(NA)	(NA)	(NA)	(NA)	(NA)	2,324	(NA)	[6]1,526	(NA)
138	Oil and gas field services	19	3	217	1,139	(NA)	(NA)	(NA)	(NA)	(NA)	1,887	(NA)	(NA)	(NA)
	Ouachita (mineral industries only), total	38	9	387	2,099	(NA)	(NA)	(NA)	(NA)	(NA)	12,188	(NA)	[6]274	(NA)
13	Oil and gas extraction	30	5	238	1,475	(NA)	(NA)	(NA)	(NA)	(NA)	10,246	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	22	5	219	1,375	(NA)	(NA)	(NA)	(NA)	(NA)	9,256	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining	8	4	149	624	133	307	525	1,068	1,322	1,942	448	(NA)	(NA)
	Plaquemines	101	37	4,267	25,058	(NA)	(NA)	(NA)	(NA)	(NA)	288,257	(NA)	[6]2,584	(NA)
131	Crude petroleum and natural gas	24	11	1,932	12,127	(NA)	(NA)	(NA)	(NA)	(NA)	226,893	(NA)	(NA)	(NA)
	Pointe Coupee	14	2	93	556	(NA)	(NA)	(NA)	(NA)	(NA)	7,274	(NA)	[6]82	(NA)
	Rapides (mineral industries only), total	27	4	154	683	(NA)	(NA)	(NA)	(NA)	(NA)	2,992	(NA)	[6]139	(NA)
13	Oil and gas extraction	22	1	46	250	(NA)	(NA)	(NA)	(NA)	(NA)	1,634	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	10	...	9	56	(NA)	(NA)	(NA)	(NA)	(NA)	1,260	(NA)	124	(NA)
14	Nonmetallic minerals mining	5	3	108	433	86	190	334	912	611	1,358	165	(NA)	(NA)
	Red River	25	1	103	554	(NA)	(NA)	(NA)	(NA)	(NA)	1,154	(NA)	[6]24	(NA)
13	Richland	24	3	171	1,025	(NA)	(NA)	(NA)	(NA)	(NA)	17,856	(NA)	[6]179	(NA)
13	Sabine	25	1	119	703	(NA)	(NA)	(NA)	(NA)	(NA)	986	(NA)	[6]27	(NA)
13	St. Bernard	15	2	94	501	(NA)	(NA)	(NA)	(NA)	(NA)	2,258	(NA)	(NA)	(NA)
138	Oil and gas field services	12	2	87	457	(NA)	(NA)	(NA)	(NA)	(NA)	1,918	(NA)	(NA)	(NA)
	St. Charles	34	7	346	2,043	(NA)	(NA)	(NA)	(NA)	(NA)	32,359	(NA)	[6]742	(NA)
131	Crude petroleum and natural gas	11	4	193	1,211	(NA)	(NA)	(NA)	(NA)	(NA)	22,095	(NA)	(NA)	(NA)
13	St. James	24	1	120	681	(NA)	(NA)	(NA)	(NA)	(NA)	5,159	(NA)	[6]43	(NA)
131	Crude petroleum and natural gas	7	1	50	314	(NA)	(NA)	(NA)	(NA)	(NA)	4,309	(NA)	(NA)	(NA)
13	St. John the Baptist	13	1	32	170	(NA)	(NA)	(NA)	(NA)	(NA)	1,549	(NA)	(NA)	(NA)
	St. Landry, total	57	15	781	4,472	(NA)	(NA)	(NA)	(NA)	(NA)	47,174	(NA)	[6]184	(NA)
131	Crude petroleum and natural gas	30	5	265	1,663	(NA)	(NA)	(NA)	(NA)	(NA)	24,690	(NA)	126	(NA)
138	Oil and gas field services	22	8	433	2,273	(NA)	(NA)	(NA)	(NA)	(NA)	5,008	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	5	2	83	536	71	149	455	8,825	8,796	17,476	145	58	(NA)
13	St. Martin	94	11	685	3,903	(NA)	(NA)	(NA)	(NA)	(NA)	44,488	(NA)	[6]398	(NA)
131	Crude petroleum and natural gas	31	3	324	2,034	(NA)	(NA)	(NA)	(NA)	(NA)	37,169	(NA)	(NA)	(NA)
	St. Mary	91	19	1,323	7,645	(NA)	(NA)	(NA)	(NA)	(NA)	66,984	(NA)	[6]659	(NA)
131	Crude petroleum and natural gas	22	8	653	4,099	(NA)	(NA)	(NA)	(NA)	(NA)	51,775	(NA)	(NA)	(NA)
	St. Tammany (mineral industries only)	11	1	70	285	(NA)	(NA)	(NA)	(NA)	(NA)	1,083	88	[6]96	(NA)
144	Sand and gravel	8	1	62	240	52	122	186	752	93	757	88	57	474
144	Tangipahoa	6	2	136	391	126	340	344	512	388	839	61	109	364
13	Tensas	31	4	231	1,330	(NA)	(NA)	(NA)	(NA)	(NA)	12,094	(NA)	[6]97	(NA)
131	Crude petroleum and natural gas	14	1	50	314	(NA)	(NA)	(NA)	(NA)	(NA)	8,189	(NA)	(NA)	(NA)
	Terrebonne	121	40	3,312	18,994	(NA)	(NA)	(NA)	(NA)	(NA)	146,690	(NA)	[6]1,289	(NA)
131	Crude petroleum and natural gas	25	7	1,426	8,951	(NA)	(NA)	(NA)	(NA)	(NA)	110,689	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	Parish and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PARISH—Continued													
13	Union	39	2	197	1,174	(NA)	(NA)	(NA)	(NA)	(NA)	10,739	(NA)	[6]145	(NA)
131	Crude petroleum and natural gas	20	1	107	672	(NA)	(NA)	(NA)	(NA)	(NA)	8,526	(NA)	(NA)	(NA)
13	Vermilion	114	16	1,065	5,933	(NA)	(NA)	(NA)	(NA)	(NA)	65,954	(NA)	[6]311	(NA)
131	Crude petroleum and natural gas	36	2	238	1,494	(NA)	(NA)	(NA)	(NA)	(NA)	41,051	(NA)	(NA)	(NA)
	Washington	14	2	129	583	(NA)	(NA)	(NA)	(NA)	(NA)	1,544	(NA)	68	805
144	Sand and gravel	8	2	99	411	93	203	377	922	647	1,397	172	(NA)	(NA)
	Webster (mineral industries only), total	65	5	453	2,496	(NA)	(NA)	(NA)	(NA)	(NA)	40,741	(NA)	[6]415	(NA)
131	Crude petroleum and natural gas	38	2	110	690	(NA)	(NA)	(NA)	(NA)	(NA)	16,122	(NA)	153	(NA)
138	Oil and gas field services	22	1	109	572	(NA)	(NA)	(NA)	(NA)	(NA)	1,908	(NA)	(NA)	(NA)
132 and 144	Natural gas liquids and sand and gravel	5	2	234	1,234	194	360	984	8,265	(D)	22,711	(D)	262	(NA)
13	West Baton Rouge	11	...	32	175	(NA)	(NA)	(NA)	(NA)	(NA)	1,074	(NA)	[6]141	(NA)
144	West Carroll	4	...	8	42	(NA)	(NA)	(NA)	(NA)	(NA)	169	(NA)	(NA)	(NA)
13	West Feliciana	3	1	79	324	55	124	189	754	683	1,350	(D)	24	255
	Winn	16	2	145	535	(NA)	(NA)	(NA)	(NA)	(NA)	2,332	(NA)	[6]118	(NA)
13	Offshore operations (oil and gas extraction), total	89	34	4,732	26,334	(NA)	(NA)	(NA)	(NA)	(NA)	195,993	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	15	6	1,455	9,133	(NA)	(NA)	(NA)	(NA)	(NA)	116,964	(NA)	932	(NA)
138	Oil and gas field services	74	28	3,277	17,201	(NA)	(NA)	(NA)	(NA)	(NA)	79,029	(NA)	(NA)	(NA)
13	Undistributed (oil and gas extraction), total	200	22	2,665	15,503	(NA)	(NA)	(NA)	(NA)	(NA)	110,813	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	53	1	223	1,401	(NA)	(NA)	(NA)	(NA)	(NA)	80,116	(NA)	(NA)	(NA)
138	Oil and gas field services	147	21	2,442	14,102	(NA)	(NA)	(NA)	(NA)	(NA)	30,697	(NA)	15,255	139,737

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for any sand and gravel mining operations included in manufactures and for 2 crushed and broken stone quarries included in manufactures.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For sand and gravel and clay mining in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]Except for number of establishments, includes figures for the Louisiana operations of one service establishment primarily engaged in metal mining services in other States.
[5]See table 2A footnote 1.
[6]Excludes data for the Oil and Gas Field Services Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, parish, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Louisiana, total....	1,132	1,121	11	...	...	...	...	...	...	...	...	...	...	529	55	442	...	...	1	...	77	1	4	10	12	...	1	...
No employees.....	87	87	...	...	...	...	...	...	...	...	...	...	...	71	...	10	...	...	...	...	6	...	...	...	...	...	...	...
1-4 employees.....	388	377	11	...	...	...	...	...	...	...	...	...	...	258	5	90	...	...	...	...	23	1	1	10	...	...	...	...
5-9 employees.....	133	133	...	...	...	...	...	...	...	...	...	...	...	65	11	53	...	...	...	...	3	...	...	...	1	...	...	...
10-19 employees...	180	180	...	...	...	...	...	...	...	...	...	...	...	55	18	84	...	...	1	...	21	...	1	...	...	...	...	...
20-49 employees...	189	189	...	...	...	...	...	...	...	...	...	...	...	33	18	114	...	...	...	...	21	...	2	...	1	...	...	...
50-99 employees...	81	81	...	...	...	...	...	...	...	...	...	...	...	19	1	55	...	...	...	...	3	...	...	...	2	...	1	...
100-249 employees.	46	46	...	...	...	...	...	...	...	...	...	...	...	15	2	23	...	...	...	...	...	...	...	...	6	...	...	...
250-499 employees.	12	12	...	...	...	...	...	...	...	...	...	...	...	4	...	6	...	...	...	...	...	...	...	...	2	...	...	...
500-999 employees.	9	9	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	...	...	...	...	...	...	...	...	...	...
1,000-2,499 employees.....	7	7	...	...	...	...	...	...	...	...	...	...	...	4	...	3	...	...	...	...	...	...	...	...	...	...	...	...
PARISH																												
Acadia:																												
0-19 employees....	113	113	...	...	...	...	...	...	...	...	...	...	...	48	2	63	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	4	2	8	...	...	...	...	...	...	...	...	...	...	...	...
Allen:																												
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	9	1	24	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ascension:																												
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	...	...	4	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Assumption:																												
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	22	...	25	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Avoyelles:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	4	...	5	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Beauregard:																												
0-19 employees....	61	61	...	...	...	...	...	...	...	...	...	...	...	23	2	34	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Bienville:																												
0-19 employees....	37	36	1	...	...	...	...	...	...	...	...	...	...	18	...	18	...	...	...	...	...	...	...	1	...	...	...	...
Bossier:																												
0-19 employees....	67	67	...	...	...	...	...	...	...	...	...	...	...	37	2	28	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	4	1	4	...	...	...	...	...	...	...	...	...	...	...	...
Caddo:																												
0-19 employees....	184	184	...	...	...	...	...	...	...	...	...	...	...	121	5	57	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	29	29	...	...	...	...	...	...	...	...	...	...	...	17	1	11	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calcasieu:																												
0-19 employees....	117	116	1	...	...	...	...	...	...	...	...	...	...	47	2	67	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	5	...	9	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	1	...	...	...
Caldwell:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Cameron:																												
0-19 employees....	89	89	...	...	...	...	...	...	...	...	...	...	...	27	1	61	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

See footnote 3, table 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, parish, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
PARISH—Continued																											
Catahoula:																											
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	10	...	22	...	...	...	...	3	..	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Claiborne:																											
0-19 employees....	71	71	...	...	...	...	...	...	...	...	...	...	...	38	3	30	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	6	2	3	...	...	...	...	...	...	...	...	...	...	...	...
Concordia:																											
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	26	...	21	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
De Soto:																											
0-19 employees....	69	69	...	...	...	...	...	...	...	...	...	...	...	42	...	27	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
East Baton Rouge:																											
0-19 employees....	25	23	2	...	...	...	...	...	...	...	...	...	...	9	...	8	...	...	...	...	6	...	...	2	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
East Carroll:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Evangeline:																											
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	14	2	19	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	...	...	2	...	...	...	...	...	...	...
Franklin:																											
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	8	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grant:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Iberia:																											
0-19 employees....	62	62	...	...	...	...	...	...	...	...	...	...	...	16	...	46	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	2	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...
Iberville:																											
0-19 employees....	38	38	...	...	...	...	...	...	...	...	...	...	...	16	...	22	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees.....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	60	60	...	...	...	...	...	...	...	...	...	...	...	13	1	43	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	2	...	7	...	...	...	...	...	...	...	...	2	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson Davis:																											
0-19 employees....	67	67	...	...	...	...	...	...	...	...	...	...	...	23	2	42	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	2	1	5	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lafayette:																											
0-19 employees....	71	70	1	...	...	...	...	...	...	...	...	...	...	24	...	45	...	...	...	...	...	...	1	1	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lafourche:																											
0-19 employees....	104	104	...	...	...	...	...	...	...	...	...	...	...	26	...	77	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	32	32	...	...	...	...	...	...	...	...	...	...	...	8	...	24	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, parish, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
PARISH—Continued																											
La Salle:																											
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	22	...	11	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	32	32	...	...	...	...	...	...	...	...	...	...	...	16	1	14	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...
Livingston:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Madison:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...
Morehouse:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	7	1	2	...	...	...	...	...	...	...	...	...	...	...
Natchitoches:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	4	...	5	...	...	...	...	1	...	...	...	...	...	...
Orleans:																											
0-19 employees....	33	33	...	...	...	...	...	...	...	...	...	...	...	16	...	16	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	8	...	3	...	...	...	...	1	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
Ouachita:																											
0-19 employees....	30	29	1	...	...	...	...	...	...	...	...	...	...	17	...	8	...	...	1	...	3	...	...	1	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	4	...	...	...	...	...	...
Plaquemines:																											
0-19 employees....	64	64	...	...	...	...	...	...	...	...	...	...	...	13	1	50	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	25	25	...	...	...	...	...	...	...	...	...	...	...	3	...	22	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	1	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...
Pointe Coupee:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	2	1	9	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...
Rapides:																											
0-19 employees....	24	23	1	...	...	...	...	...	...	...	...	...	...	10	...	11	...	...	...	...	2	...	...	1	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	1	...	...	...	...
Red River:																											
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	15	...	8	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Richland:																											
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	14	...	7	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...
Sabine:																											
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	10	...	14	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Bernard:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	3	...	10	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
St. Charles:																											
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	7	...	20	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	4	1	1	...	...	...	...	1	...	...	...	...	...	...
St. Helena:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
St. James:																											
0-19 employees....	23	23	...	...	...	...	...	...	...	...	...	...	...	6	...	17	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
St. John the Baptist:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	3	...	9	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, parish, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
PARISH—Continued																											
St. Landry:																											
0-19 employees....	42	42	...	...	...	...	...	...	...	...	...	...	...	25	2	14	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	15	15	...	...	...	...	...	...	...	...	...	...	...	5	2	8	...	...	...	...	...	...	...	...	...	...	...
St. Martin:																											
0-19 employees....	83	83	...	...	...	...	...	...	...	...	...	...	...	28	2	53	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	2	...	8	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Mary:																											
0-19 employees....	72	72	...	...	...	...	...	...	...	1	...	...	...	14	...	57	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	...	...	6	1	9	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...
St. Tammany:																											
0-19 employees....	13	10	3	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	7	...	...	3	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Tangipahoa:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Tensas:																											
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	13	...	14	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...
Terrebonne:																											
0-19 employees....	81	81	...	...	...	...	...	...	...	...	...	...	...	18	...	62	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	35	35	...	...	...	...	...	...	...	...	...	...	...	5	...	30	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Union:																											
0-19 employees....	37	37	...	...	...	...	...	...	...	...	...	...	...	19	...	18	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Vermilion:																											
0-19 employees....	98	98	...	...	...	...	...	...	...	...	...	...	...	34	1	63	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	15	15	...	...	...	...	...	...	...	...	...	...	...	2	...	13	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Vernon:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
Washington:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	6	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Webster:																											
0-19 employees....	61	60	1	...	...	...	...	...	...	...	...	...	...	36	2	21	...	...	...	...	1	1	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	1	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
West Baton Rouge:																											
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	3	...	8	...	...	...	...	...	...	...	...	...	...	...
West Carroll:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...
West Feliciana:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Winn:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	9	...	5	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Offshore:																											
0-19 employees....	55	55	...	...	...	...	...	...	...	...	...	...	...	9	...	46	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	22	22	...	...	...	...	...	...	...	...	...	...	...	1	...	21	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	178	178	...	...	...	...	...	...	...	...	...	...	...	52	...	126	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	18	18	...	...	...	...	...	...	...	...	...	...	...	...	...	18	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...

[1]See footnote 3, table 2.

MAINE

16-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MAINE

RANK AMONG STATES
EMPLOYMENT - 45
VALUE OF SHIPMENTS - 46

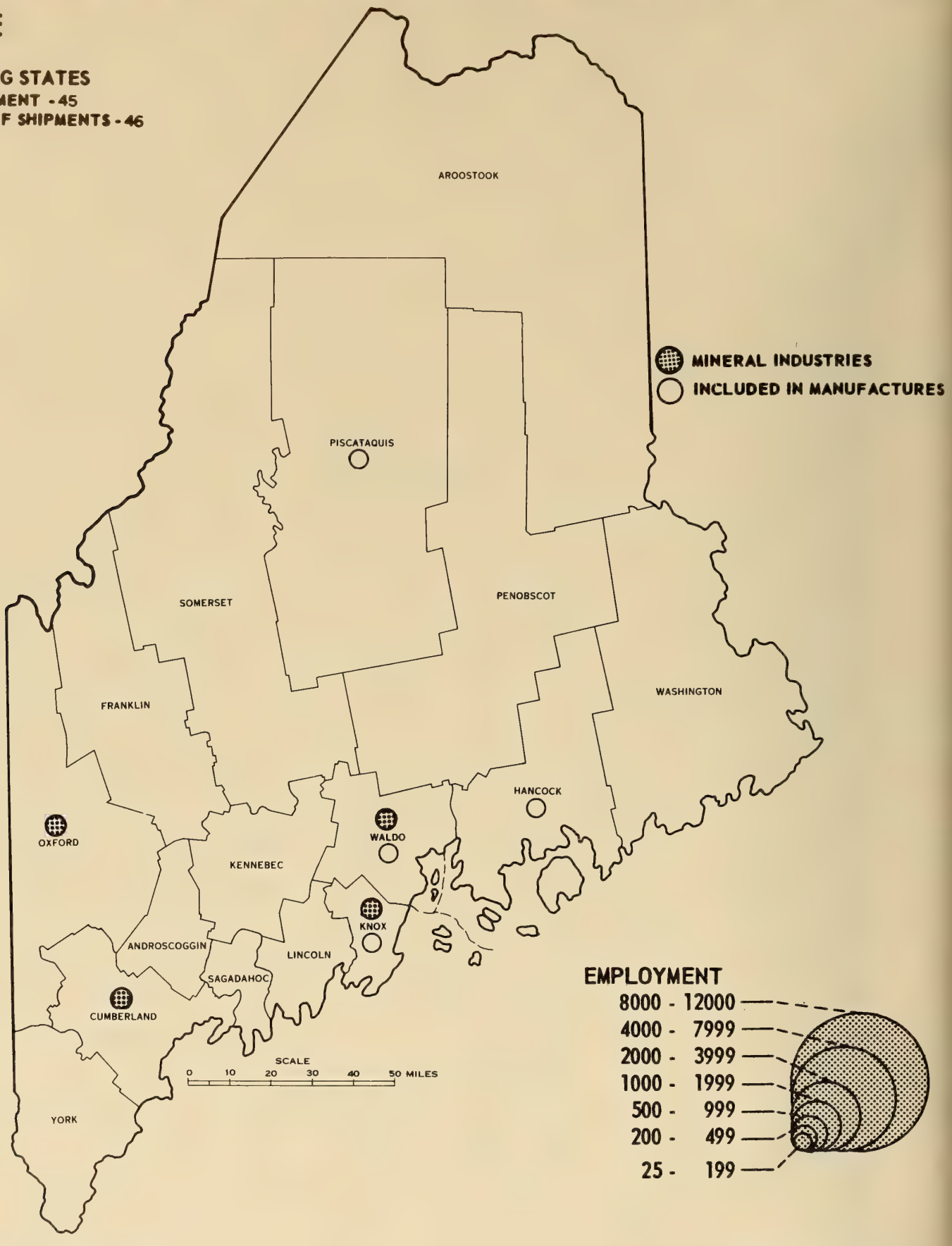


Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	55	2	301	1,005	266	547	883	r2,104	r820	...	r82	252	2,826	432	r74	r278
1954	66	3	314	930	292	614	861	1,809	385	10	91	239	2,175	359	34	116
Including operations in manufactures:																
1958	68	7	580	2,000	530	1,079	1,804	r4,382	r 21,419	r(2)	r 282	3280	5,703	3460	r390	r170
1954[4]	77	10	699	2,268	653	1,330	2,060	4,304	2848	121	291	3327	5,242	3449	346	70
1939[5]	6134	(NA)	420	448	379	659	376	1,134	143	(NA)	2	(NA)	1,279	(NA)	16	42
1929[7]	52	(NA)	1,255	1,790	1,170	(NA)	1,577	3,038	422	(NA)	8	55	3,468	(NA)	59	50
1919[8]	50	(NA)	1,041	1,170	979	(NA)	1,052	1,465	326	...	32	(NA)	1,823	(NA)	975	77
1909[8]	100	(NA)	2,288	1,462	2,169	(NA)	1,341	1,742	307	...	7	(NA)	2,056	(NA)	(NA)	(NA)
1902[10]	6135	(NA)	3,892	2,479	113,684	(NA)	2,285	3,179	477	(NA)	...	(NA)	3,656	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, the cost of dimension stone received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $383 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for slate is not available. Excludes data for one nonproducing operation.

[6]Represents number of mines and quarries.

[7]Excludes data for common clay and shale and peat operations. There were 6 such mines in 1939, with products valued at less than $100 thousand.

[8]Excludes data for sand and gravel operations and stone quarries operated as parts of cement and lime establishments. There were 6 such establishments in 1929; the value of limestone produced at 3 of these establishments was $282 thousand. For 1919, excludes one nonproducing establishment. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 8 percent of the total kwh equivalent of energy used.

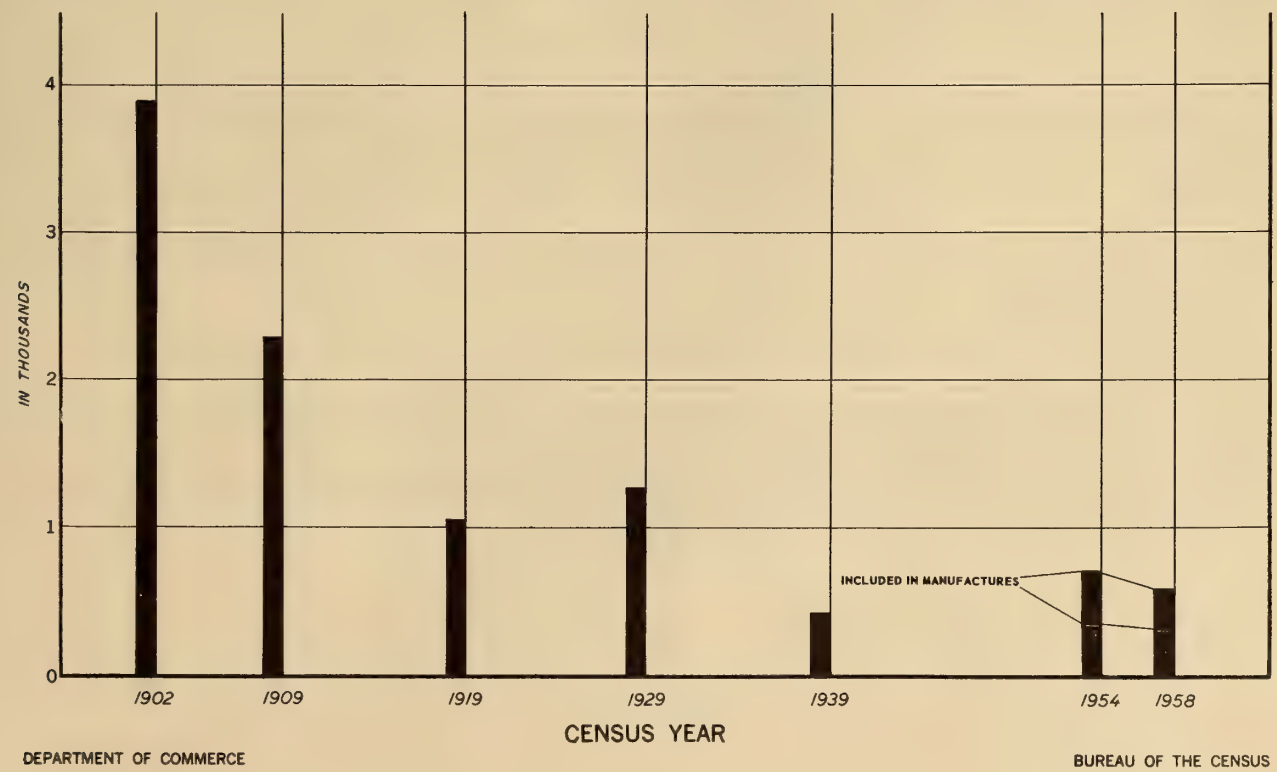
[10]Excludes data for sand and gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $742 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MAINE



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	68	7	580	2,000	530	1,079	1,804	r4,382	r [2]1,781	[3]5,703	[4]460	699	4,304
	Mineral industries	55	2	301	1,005	266	547	883	r2,104	r1,154	2,826	432	314	1,809
	Included in manufactures	13	5	[3]279	[3]995	[3]264	532	921	2,278	[2]627	[3]2,877	[4]28	[3]385	2,495
	Dimension stone	5	4	217	729	202	411	655	806	392	1,170	28	317	1,494
	Crushed and broken stone:													
1421	Mineral industry	5	1	96	371	79	201	313	606	419	990	35	[5]208	1,888
	Sand and gravel	32	...	[3]125	[3]355	[3]108	203	337	1,077	[2]458	[3]1,318	(NA)	(NA)	(NA)
1441	Mineral industry	29	...	105	329	98	184	311	907	419	1,109	217	79	462
149	Miscellaneous minerals, nec	[6]12	...	57	152	52	85	139	329	190	391	128	(NA)	(NA)

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.
[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[5]Includes data for crushed and broken stone mining operations in manufacturing establishments.
[6]Represents the following industries: Mica, 9 establishments; Peat, 2 establishments; and Nonmetallic Minerals, NEC, one establishment.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	r1,154	r820	...	r82	252	432	79	353	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	419	384	...	...	35	35	...	35	156	[3]1,005	[4]812	([3])
1441	Sand and gravel	419	250	...	57	112	217	...	217	1,176	[3]1,298	[4]228	([3])
149	Miscellaneous minerals, nec	190	126	...	7	57	128	79	49	xxx	xxx	xxx	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation. rRevised.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. For sand and gravel, includes the estimated value of minerals produced and used in the same manufacturing establishment.
[4]Includes the quantity of minerals produced and used in the same establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	54	52	25	...	24	1	27	...	27	...	...	2
	Number of employees	290	(D)	(D)	...	37	(D)	248	...	248	...	...	(D)
	Value added in mining, $1,000	2,005	(D)	(D)	...	379	(D)	1,627	...	1,627	...	...	(D)
1421	Crushed and broken stone:												
	Number of establishments	5	5	...	...	...	...	5	...	5	...	...	...
	Number of employees	96	96	...	...	...	...	96	...	96	...	...	...
	Value added in mining, $1,000	606	606	...	...	...	...	606	...	606	...	...	...
1441	Sand and gravel:												
	Number of establishments	29	29	13	...	12	1	16	...	16	...	...	...
	Number of employees	105	105	19	...	(D)	(D)	86	...	86	...	...	...
	Value added in mining, $1,000	907	907	236	...	(D)	(D)	671	...	671	...	...	...
149	Miscellaneous minerals, nec:												
	Number of establishments	12	12	7	...	7	...	5	...	5	...	...	...
	Number of employees	57	57	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	329	329	(D)	...	(D)	...	(D)	...	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents a sand and gravel establishment for which the method of mining was not specified.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MAINE:													
	All mineral operations	68	7	580	2,000	530	1,079	1,804	r4,382	r 31,781	45,703	5460	699	4,304
	Mineral industries	55	2	301	1,005	266	547	883	r2,104	r1,154	2,826	432	314	1,809
	Included in manufactures	13	5	4279	4995	4264	532	921	2,278	3627	42,877	528	4385	2,495
	COUNTIES													
144	Androscoggin (mineral industries only)	4	...	22	82	22	49	82	234	57	240	51	24	275
14	Cumberland (mineral industries only)	8	...	29	80	26	47	74	222	88	273	37	85	396
14	Hancock (mineral industries only)	5	...	16	41	14	17	37	5	78	57	26	(NA)	(NA)
	Kennebec	3	...	19	67	17	38	59	113	63	154	22	(NA)	(NA)
	Knox (including operations in manufactures)	6	3	4156	4634	4143	326	565	1,798	(D)	42,347	(D)	4115	1,194
14	Oxford	13	1	80	245	72	132	209	475	325	653	147	49	332
	Waldo (including operations in manufactures)	3	1	429	492	428	47	89	201	354	4250	55	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. rRevised.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county figures included for such operations, which were not reported separately, were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Maine, total.....	68	55	13	...	2	...	...	...	...	...	...	...	...	...	...	...	1	4	5	1	29	3	5	5	...	1	12	...
No employees.....	12	10	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	3	2	...	...	2	...
1-4 employees.....	32	27	5	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	16	2	1	3	...	1	5	...
5-9 employees.....	11	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	5	1	...	...	...	...	4	...
10-19 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	...	1	...
20-49 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...
50-99 employees...	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	...	...	...
COUNTIES																												
Androscoggin:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	1	...	...	...	...
Aroostook:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cumberland:																												
0-19 employees....	12	8	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	1	...	3	...	...	1	...
Franklin:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Hancock:																												
0-19 employees....	5	5	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Kennebec:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Knox:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oxford:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	8	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Penobscot:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
Piscataquis:																												
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Sagadahoc:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	1	...
Waldo:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	1	...
York:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...

See table 3, footnote 2.

DELAWARE
MARYLAND
DISTRICT OF COLUMBIA

EMPLOYMENT IN MINING BY COUNTY: 1958

MARYLAND

RANK AMONG STATES
EMPLOYMENT - 36
VALUE OF SHIPMENTS - 39

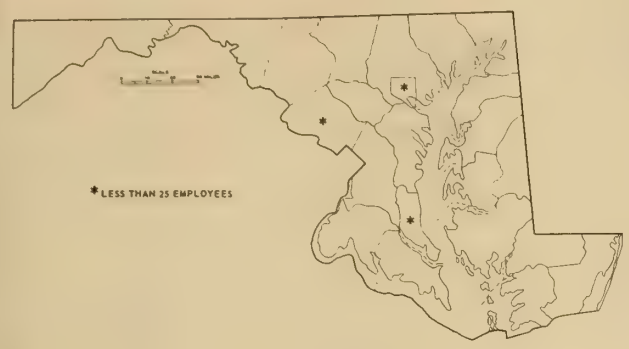


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN MARYLAND

Employment For Industry Group By County: 1958

Metal Mining



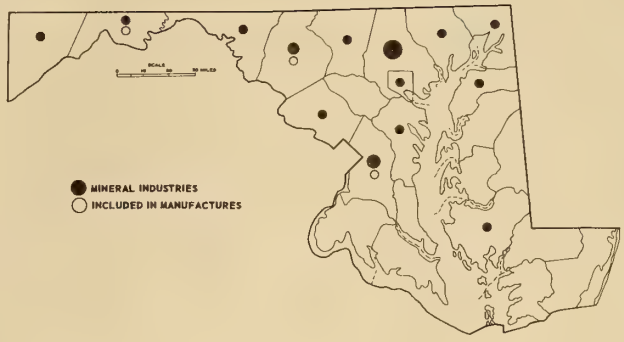
Coal Mining

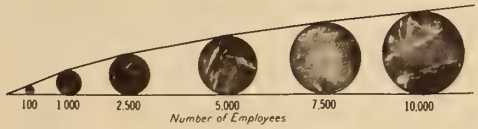


Oil and Gas Extraction



Nonmetallic Minerals Mining

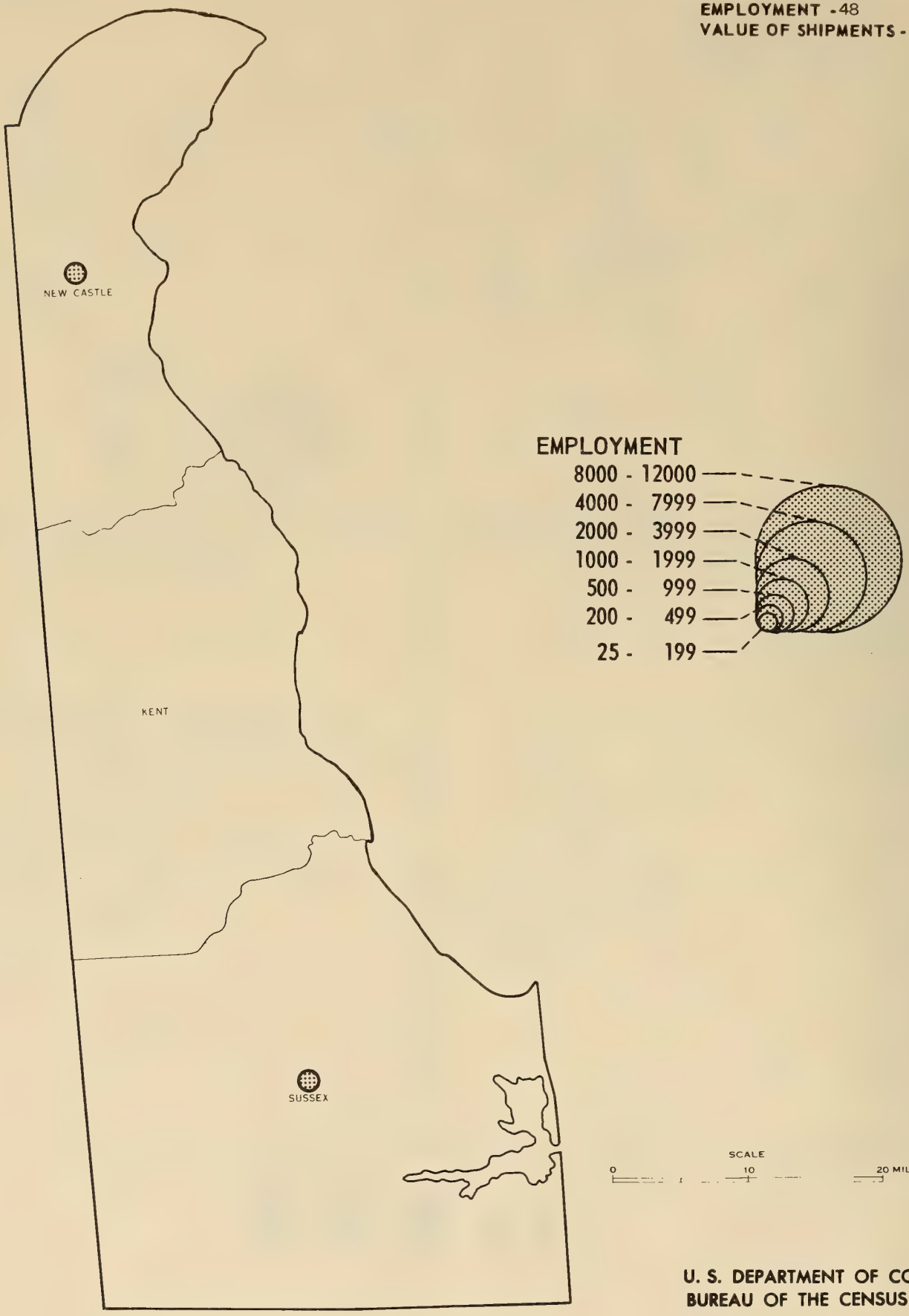




EMPLOYMENT IN MINING BY COUNTY: 1958

DELAWARE

RANK AMONG STATES
EMPLOYMENT - 48
VALUE OF SHIPMENTS - 47

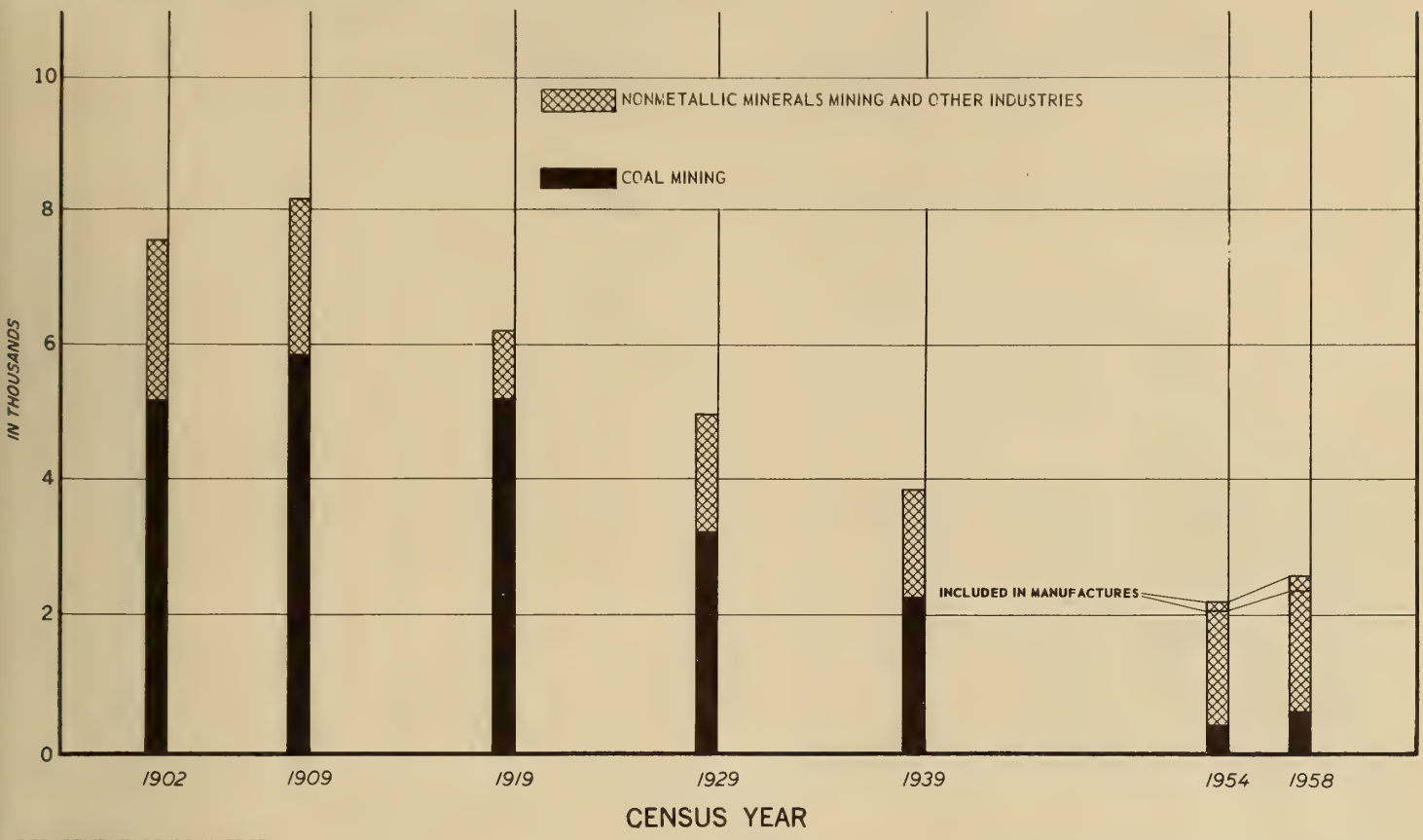


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

DELAWARE, MARYLAND, AND DISTRICT OF COLUMBIA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Manhours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	176	30	2,340	9,694	1,996	3,800	7,462	22,604	8,923	2,504	1,953	3,325	35,451	3,858	r346	r173
1954	196	30	2,031	7,130	1,804	4,098	6,135	17,941	5,182	...	736	2,195	24,142	1,912	r476	r264
Including operations in manufactures:																
1958	208	31	2,542	10,632	2,195	4,191	8,386	27,510	[2]9,827	2,504	[2]1,953	[3]3,328	41,261	[3]3,861	r [3]347	r158
1954[4]	216	32	2,171	7,599	1,944	4,374	6,604	20,572	[2]5,554	...	[2]736	[3]2,195	27,145	[3]1,912	r [3]476	r245
1939[5]	[6]180	(NA)	3,850	3,937	3,599	6,090	3,417	7,243	1,405	(NA)	59	(NA)	8,707	(NA)	388	108
1929[7]	112	(NA)	4,933	5,667	4,578	(NA)	4,816	8,134	2,988	(NA)	...	458	11,122	(NA)	472	103
1919[8]	136	(NA)	6,172	7,105	5,756	(NA)	6,295	8,394	1,544	...	20	(NA)	9,958	(NA)	[9]541	94
1909[8]	140	(NA)	8,132	3,955	7,743	(NA)	3,557	5,522	762	...	14	(NA)	6,298	(NA)	(NA)	(NA)
1902[10]	[6]217	(NA)	7,565	4,948	[11]7,160	(NA)	4,472	6,761	843	(NA)	8	(NA)	7,612	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing sandstone at such operations was $1 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for granite is not available.

[6]Represents number of mines and quarries.

[7]Represents Maryland only. For 1929, only 5 establishments with 104 production and development workers were reported for Delaware and the District of Columbia. Excludes data for common clay and shale operations. There were 13 such mines in Maryland in 1939 with products valued at $168 thousand.

[8]Excludes data for sand, gravel, common clay, and shale operations, and for stone quarries operated as parts of cement and lime plants. For 1929 in Maryland, there were 10 such common sand and gravel establishments, with products valued at $3,781 thousand, one such glass sand establishment, and 3 such stone quarrying operations.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 4 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand, gravel, common clay, and shale operations, stone quarrying operations at 4 cement plants, and 2 nonproducing establishments. Includes data for lime plants producing lime valued at $326 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	208	31	2,542	10,632	2,195	4,191	8,386	27,510	[2]17,612	[3]41,261	[4]3,861	2,171	20,572
	Delaware and District of Columbia	17	1	[3]110	[3]523	[3]89	168	324	1,330	[2]1,381	[3]2,608	[4]103	(NA)	(NA)
	Maryland	191	30	[3]2,432	[3]10,109	[3]2,106	4,023	8,062	26,180	[2]16,231	[3]38,653	[4]3,758	(NA)	(NA)
	Mineral industries	176	30	2,340	9,694	1,996	3,800	7,462	22,604	16,705	35,451	3,858	2,031	17,941
	Included in manufactures	32	1	[3]202	[3]938	[3]199	391	924	4,906	[2]907	[3]5,810	[4]3	[3]140	2,631
10 13	Metal mining and Oil and gas extraction (Maryland)	9	...	52	245	29	59	111	1,120	1,404	2,268	256	60	551
12	Bituminous coal mining (Maryland)	80	5	560	1,982	524	895	1,866	3,170	2,854	5,552	472	371	1,631
1211	Bituminous coal	77	5	540	1,846	504	857	1,730	2,985	2,685	5,210	460	371	1,631
	Nonmetallic minerals mining	119	26	1,930	8,405	1,642	3,237	6,409	23,220	[2]13,354	[3]33,441	[4]3,133	1,740	18,390
14	Mineral industries	87	25	1,728	7,467	1,443	2,846	5,485	18,314	12,447	27,631	3,130	1,600	15,759
	Included in manufactures	32	1	[3]202	[3]938	[3]199	391	924	4,906	[2]907	[3]5,810	[4]3	140	2,631
	Dimension stone	9	...	75	201	59	85	158	286	72	347	11	63	233
	Crushed and broken stone	28	14	868	3,914	731	1,413	2,883	11,325	[2]5,555	[3]15,890	[4]990	595	7,630
1421	Mineral industry	23	14	815	3,652	678	1,307	2,621	9,134	5,207	13,351	990	512	5,758
	Included in manufactures	5	...	[3]53	[3]262	[3]53	106	262	2,191	[2]348	[3]2,539	(NA)	[3]83	1,872
	Crushed and broken stone, nec, (Mineral subindustry)	6	4	153	667	112	149	390	1,190	1,414	2,428	176	(NA)	(NA)
	Sand and gravel	60	12	869	3,796	742	1,514	2,922	10,036	[2]6,183	[3]14,135	[4]2,084	(NA)	(NA)
	Mineral industry	52	11	808	3,477	681	1,391	2,608	8,208	5,951	12,075	2,084	977	9,365
	Delaware	10	...	60	228	51	87	175	599	171	686	84	50	566
1441	Maryland	42	11	748	3,249	630	1,304	2,428	7,609	5,780	11,389	2,000	927	8,799
	Included in manufactures	8	1	[3]61	[3]319	[3]61	123	319	1,828	[2]232	[3]2,060	(NA)	(NA)	(NA)
	Clay and related minerals	18	...	79	329	77	153	324	1,004	[2]384	[3]1,372	[4]16	72	1,003
	Included in manufactures	15	...	[3]62	[3]273	[3]62	124	273	769	[2]306	[3]1,075	(NA)	(NA)	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	16,705	8,923	2,504	1,953	3,325	3,858	r110	r3,748	xxx	xxx	xxx	xxx
10 13	Metal mining and Oil and gas extraction	1,404	[3]1,049	([3])	199	156	256	78	178	xxx	xxx	xxx	xxx
12	Bituminous coal mining	2,854	1,416	522	200	716	472	11	461	xxx	xxx	xxx	xxx
1211	Bituminous coal	2,685	1,345	522	111	707	460	11	449	889	3,952	...	...
14	Nonmetallic minerals mining	12,447	[3]8,440	([3])	1,554	2,453	3,130	21	3,109	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	5,207	3,653	...	872	682	990	14	976	5,911	12,001	[4]1,557	[4]3,071
1441	Sand and gravel	5,951	[3]3,548	([3])	667	1,736	2,084	5	2,079	8,091	[5]12,555	[4]1,511	([5])
	Maryland	5,780	[3]3,390	([3])	662	1,728	2,000	5	1,995	7,361	(NA)	(NA)	(NA)

rRevised.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for cost of minerals received for preparation are included with those for cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[5]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. See also footnote 4.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	172	169	92	50	37	5	73	6	59	8	4	3
	Number of employees	[3]2,320	[3]2,315	494	265	193	[3]36	1,782	(D)	1,415	(D)	39	5
	Value added in mining, $1,000	[3]22,419	[3]22,434	3,484	1,175	1,339	[3]970	17,957	(D)	15,657	(D)	993	([4])
10 13	Metal mining and Oil and gas extraction:												
	Number of establishments	8	6	4	...	...	4	...	...	...	...	2	2
	Number of employees	[3]52	(D)	(D)	...	...	(D)	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	[3]1,120	(D)	(D)	...	...	(D)	...	...	...	...	(D)	(D)
1211	Bituminous coal:												
	Number of establishments	77	76	64	50	14	...	11	6	5	...	1	1
	Number of employees	540	(D)	341	265	76	...	(D)	(D)	91	...	(D)	(D)
	Value added in mining, $1,000	2,985	(D)	1,480	1,175	305	...	(D)	(D)	851	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	87	87	24	...	23	1	62	...	54	8	1	...
	Number of employees	1,728	1,728	(D)	...	117	(D)	(D)	...	1,324	(D)	(D)	...
	Value added in mining, $1,000	18,314	18,314	(D)	...	1,034	(D)	(D)	...	14,806	(D)	(D)	...
1421	Crushed and broken stone:												
	Number of establishments	23	23	1	...	1	...	22	...	22	...	...	...
	Number of employees	815	815	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	9,134	9,134	(D)	...	(D)	...	(D)	...	(D)	...	...	...
1441	Sand and gravel:												
	Number of establishments	52	52	16	...	15	1	36	...	28	8	...	...
	Number of employees	808	808	(D)	...	65	(D)	(D)	...	469	(D)	...	...
	Value added in mining, $1,000	8,208	8,208	(D)	...	612	(D)	(D)	...	5,532	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for one sand and gravel establishment for which the method of mining was not specified.
[2]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for oil and gas field services establishments.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the capital expenses.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	DELAWARE, MARYLAND, AND DISTRICT OF COLUMBIA:													
	All mineral operations	208	31	2,542	10,632	2,195	4,191	8,386	27,510	[4]17,612	41,261	[5]3,861	2,171	20,572
	Delaware and District of Columbia	17	1	110	523	89	168	324	1,330	[4]1,381	2,608	[5]103	(NA)	(NA)
	Maryland	191	30	2,432	10,109	2,106	4,023	8,062	26,180	[4]16,231	38,653	[5]3,758	(NA)	(NA)
	Mineral industries	176	30	2,340	9,694	1,996	3,800	7,462	22,604	16,705	35,451	3,858	2,031	17,941
	Included in manufactures	32	1	[6]202	[6]938	[6]199	391	924	4,906	[4]907	5,810	[5]3	140	2,631
	COUNTIES													
	Delaware:													
	Kent (including operations in manufactures)	4	...	[6]18	[6]75	[6]16	30	58	344	[4]67	353	[5]58	(NA)	(NA)
14	New Castle (mineral industries only)	6	1	62	347	44	89	167	856	1,195	2,009	42	50	636
144	Sussex	3	...	23	78	22	36	76	60	28	85	3	12	20
	Maryland:													
	Allegany (including operations in manufactures), total	59	2	[6]307	[6]1,195	[6]293	520	1,123	2,150	[4]2,114	3,903	[5]361	[7]212	(NA)
12	Bituminous coal mining	52	...	211	794	202	340	764	1,480	1,450	2,663	267	171	757
	Nonmetallic minerals mining (including operations in manufactures)	7	2	[6]96	[6]401	[6]91	180	359	670	[4]664	1,240	[5]94	(NA)	(NA)
144	Anne Arundel	4	1	88	400	78	167	336	1,372	1,072	2,389	55	80	(D)
	Baltimore City (mineral industries only)	5	1	68	273	66	126	264	707	1,450	1,911	246	97	(D)
14	Baltimore (mineral industries only)	10	7	523	2,700	415	763	1,814	4,277	6,774	9,152	1,899	330	4,931
14	Cecil (mineral industries only)	7	...	46	179	44	70	162	332	341	534	139	83	543
	Frederick (including operations in manufactures)	7	2	[6]203	[6]753	[6]190	345	685	2,323	[4]1,516	3,596	[7]243	(NA)	(NA)
	Garrett (mineral industries only)	39	5	416	1,350	(NA)	(NA)	(NA)	(NA)	(NA)	4,364	(NA)	[8]229	(NA)
12	Bituminous coal mining	28	5	349	1,188	322	555	1,102	1,690	1,404	2,889	205	200	874
14	Harford (mineral industries only)	11	4	128	438	110	216	360	1,005	390	1,339	56	148	1,396
14	Prince Georges (mineral industries only)	11	3	258	1,177	208	409	773	2,337	1,334	3,560	111	436	3,068
	Washington (including operations in manufactures)	4	1	[6]103	[6]495	[6]72	125	268	1,448	(D)	1,788	(D)	(NA)	(NA)
	Wicomico (including operations in manufactures)	4	...	[6]15	[6]53	[6]10	16	30	97	(D)	140	(D)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]See table 2A, footnote 3.
[7]Represents mineral industries only.
[8]Excludes data for oil and gas field services establishments.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Delaware																											
Delaware, total.....	15	12	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	10	1	...	2	1	...	...	...
No employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
1-4 employees.....	8	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	1	...	2	...	...	...	...
5-9 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-19 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	1	...	...	...
20-49 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
COUNTIES																												
Kent:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...
New Castle:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	2	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sussex:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Maryland																												
Maryland, total.....	191	164	27	1	...	...	...	...	1	...	2	77	3	4	...	1	5	4	22	5	42	6	3	12	...	...	3	...
No employees.....	10	9	1	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	1	...	3	1	...	...	...	...	...	...
1-4 employees.....	75	62	13	...	...	...	...	...	1	...	2	38	...	2	...	1	1	2	2	1	12	3	2	7	...	...	1	...
5-9 employees.....	33	28	5	...	...	...	...	...	...	...	...	15	1	2	...	...	2	1	1	1	7	...	...	3	...	...	...	...
10-19 employees...	43	36	7	1	...	...	...	...	...	...	...	15	1	...	...	...	2	1	5	3	9	1	1	2	...	...	2	...
20-49 employees...	22	21	1	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	10	...	7	1	...	...	...	...	...	...
50-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
COUNTIES																												
Allegany:																												
0-19 employees....	57	55	2	...	...	...	...	...	...	...	...	50	2	...	...	...	...	...	1	...	1	...	1	2	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Anne Arundel:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Baltimore City:																												
0-19 employees....	6	4	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Baltimore:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	1	1	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Calvert:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Caroline:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cecil:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	6	...	...	1	...	...	...	...
Dorchester:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Frederick:																												
0-19 employees....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Garrett:																												
0-19 employees....	37	34	3	...	...	...	...	...	...	...	...	22	1	4	...	5	1	2	1	...	...	1	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Harford:																												
0-19 employees	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	1	...	...	1	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Howard:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...
Kent:																												
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Montgomery:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Prince Georges:																												
0-19 employees	11	8	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	1	1	2	...	...	...	...
20-99 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Queen Annes:																												
0-19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
St. Marys:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Talbot:																												
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Washington:																												
0-19 employees	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wicomico:																												
0-19 employees	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	1	...	...	...	...
District of Columbia																												
District of Columbia, total	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...
1-4 employees	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...

[1]See table 3, footnote 2.

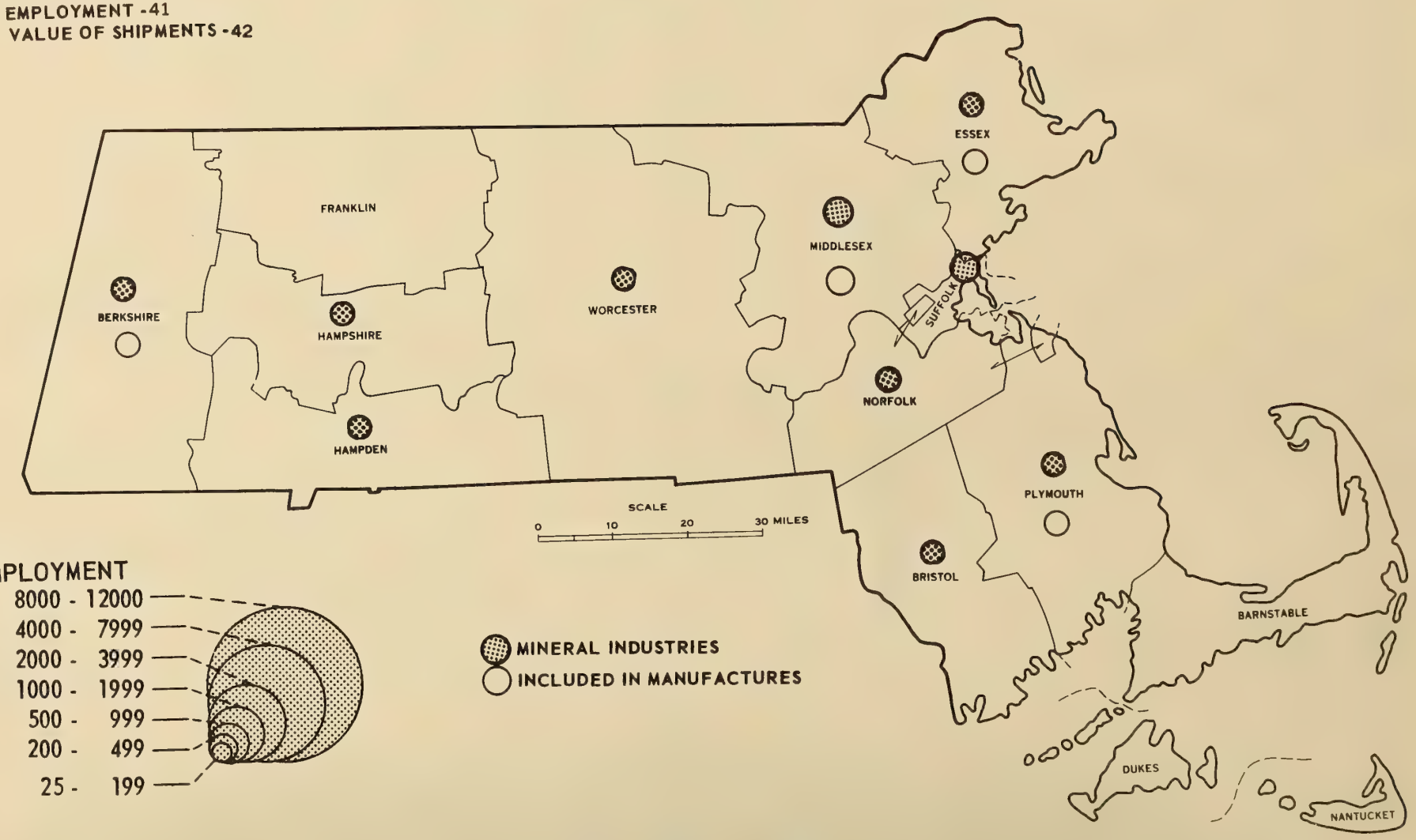
MASSACHUSETTS

18-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MASSACHUSETTS

RANK AMONG STATES:
EMPLOYMENT -41
VALUE OF SHIPMENTS -42



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	111	12	r1,285	7,077	r824	1,750	3,887	10,624	r3,376	...	416	r962	14,151	1,227	223	271
1954	127	13	r1,207	4,945	r992	2,142	3,772	8,925	2,391	4	287	1,635	11,577	1,665	140	139
Including operations in manufactures:																
1958	144	15	r1,903	10,281	r1,357	2,826	6,348	18,656	r [2]5,024	...	[2]417	r [3]988	23,831	[3]1,254	[3]264	195
1954[4]	148	16	r1,924	8,074	r1,626	3,382	6,291	14,719	[2]3,684	201	[2]292	[3]1,696	18,866	[3]1,726	[3]185	r115
1939[5]	[6]112	(NA)	1,568	2,528	1,206	2,512	1,486	4,610	983	(NA)	6	(NA)	5,599	(NA)	157	130
1929[7]	95	(NA)	2,694	4,867	2,419	(NA)	4,046	8,676	1,691	(NA)	20	691	10,387	(NA)	217	90
1919[8]	74	(NA)	1,860	2,394	1,704	(NA)	2,069	3,407	758	...	11	(NA)	4,176	(NA)	[9]177	104
1909[8]	140	(NA)	3,476	2,180	3,300	(NA)	1,967	2,935	517	...	16	(NA)	3,468	(NA)	(NA)	(NA)
1902[10]	[6]251	(NA)	4,602	2,835	[11]4,242	(NA)	2,525	3,908	762	(NA)	2	(NA)	4,672	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909 represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years, represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuel and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for any sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $369 thousand; this value has been included in the value of shipments and value added in mining. The comparable value of marble and sandstone is not available.

[6]Represents number of mines and quarries.

[7]Excludes data for common clay and shale operations. There were 6 such mines in 1939 with products valued at $41 thousand.

[8]Excludes data for sand and gravel operations and stone quarries operated as parts of lime establishments. There were 22 such operations in 1929 with products valued at $1,816 thousand. See also footnote 7.

[9]Excludes purchased electricity. For similar operations in 1929, the quantity of purchased electricity amounted to only 6 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand and gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $324 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

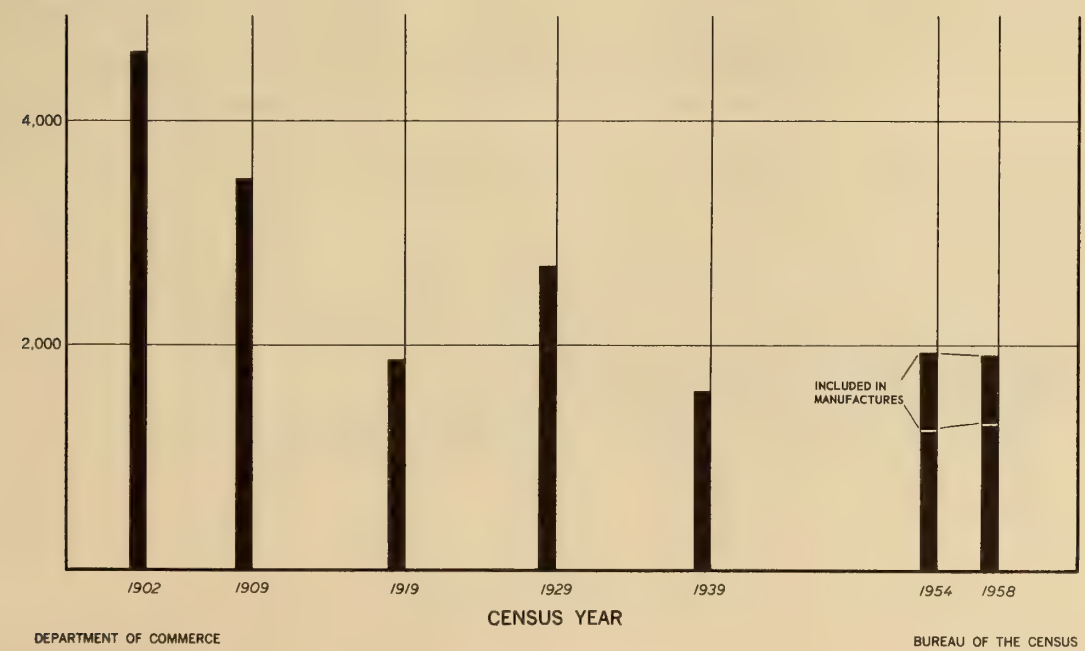


Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	144	15	1,903	10,281	1,357	2,826	6,348	18,656	[1]6,429	23,831	[2]1,254	1,924	14,719
14	Mineral industries	111	12	[3]1,285	[3]7,077	824	1,750	3,887	10,624	4,754	14,151	1,227	[r]1,207	8,925
	Included in manufactures	33	3	[4]618	[4]3,204	[4]533	1,076	2,461	8,032	[1]1,675	[4]9,680	[2]27	[r]717	5,794
	Crushed and broken stone	24	8	450	2,291	400	889	1,964	6,640	[1]2,034	8,335	(NA)	430	5,104
1421	Mineral industry	20	8	400	2,078	350	790	1,751	4,464	1,843	5,968	339	332	2,717
	Included in manufactures	4	...	[4]50	[4]213	[4]50	99	213	2,176	[1]191	[4]2,367	(NA)	98	2,387
	Crushed and broken granite	3	2	92	389	79	153	347	860	314	1,143	31	84	688
	Crushed and broken stone, nec (Mineral subindustry only)	14	5	272	1,518	238	566	1,256	3,267	1,346	4,375	238	(NA)	(NA)
	Sand and gravel	106	5	671	3,140	549	1,110	2,484	8,678	[1]3,119	10,912	(NA)	(NA)	(NA)
1441	Mineral industry	88	4	589	2,770	467	946	2,114	6,112	2,903	8,130	885	732	5,761
	Included in manufactures	18	1	[4]82	[4]370	[4]82	164	370	2,566	[1]216	[4]2,782	(NA)	(NA)	(NA)

NA Not available. [r]Revised.

[1]Excludes figures for the cost of purchased machinery for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[2]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[3]Includes figures for separately reported central offices and related facilities in the Bituminous Coal Industry.

[4]Number of production and development workers for crushed and broken stone, sand and gravel, and clay mining operations included in manufacturing establishments was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts includes the estimated value of minerals produced and used in the same establishment at such operations.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
14	All mineral industries (Nonmetallic minerals mining)	4,754	[r]3,376	...	416	[r]962	1,227	4	1,223	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	1,843	[r]1,403	...	111	[r]329	339	4	335	3,171	5,717	[3]465	[r][3]2,853
1441	Sand and gravel	2,903	1,965	...	305	633	885	...	885	7,659	[4]11,366	[3]3,061	([4])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation. [r]Revised.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Includes minerals produced and used in the same manufacturing establishment.

[4]Figures for value of primary products shipped in other industries are included with those for value of primary products shipped in the specified industry. Includes the estimated value of minerals produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
14	All industries (Nonmetallic minerals mining):												
	Number of establishments....	111	111	45	...	38	7	65	1	58	6	1	...
	Number of employees.....	[2]1,285	997	231	...	222	9	(D)	(D)	642	(D)	(D)	...
	Value added in mining.....$1,000..	10,624	10,624	2,114	...	2,013	101	(D)	(D)	7,035	(D)	(D)	...
1421	Crushed and broken stone:												
	Number of establishments.....	20	20	1	...	1	...	19	1	18	...	...	...
	Number of employees.....	400	400	(D)	...	(D)	...	(D)	(D)	(D)	...	...	...
	Value added in mining...$1,000..	4,464	4,464	(D)	...	(D)	...	(D)	(D)	(D)	...	...	...
1441	Sand and gravel:												
	Number of establishments.....	88	88	42	...	35	7	45	...	39	6	1	...
	Number of employees.....	589	589	216	...	207	9	(D)	...	271	(D)	(D)	...
	Value added in mining...$1,000..	6,112	6,112	2,020	...	1,919	101	(D)	...	2,796	(D)	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents data for sand and gravel establishments for which the method of mining was not specified.
[2]Includes employees at separately operated central offices and related facilities. These were not distributed by type of operation.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MASSACHUSETTS:													
	All mineral operations	144	15	1,903	10,281	1,357	2,826	6,348	18,656	[3]6,429	23,831	[4]1,254	r1,924	14,719
	Mineral industries	111	12	1,285	7,077	824	1,750	3,887	10,624	4,754	14,151	1,227	r1,207	8,925
	Included in manufactures	33	3	[5]618	[5]3,204	[5]533	1,076	2,461	8,032	[3]1,675	9,680	[4]27	r [5]717	5,794
	COUNTY													
14	Barnstable (mineral industries only)	3	...	19	90	17	32	79	439	173	576	36	53	241
	Berkshire, total	13	...	68	296	66	127	283	2,031	[3]280	2,225	(NA)	117	2,194
14	Mineral industries	7	...	30	139	28	54	126	323	106	343	86	81	547
	Included in manufactures	6	...	[5]38	[5]157	[5]38	73	157	1,708	[3]174	1,882	(NA)	[5]36	1,647
142	Crushed and broken stone	4	...	47	216	46	96	205	1,853	(D)	2,039	(D)	(NA)	(NA)
14	Bristol (mineral industries only)	11	2	107	552	90	181	406	889	453	1,287	55	121	841
14	Essex (mineral industries only)	13	1	94	452	82	152	392	1,054	527	1,392	189	63	566
	Hampden	14	1	[5]132	[5]640	[5]113	283	523	1,554	[3]489	1,866	(NA)	(NA)	(NA)
14	Mineral industries	10	1	120	575	102	261	464	1,450	424	1,697	177	131	1,309
14	Hampshire	7	...	45	224	27	61	127	368	178	471	75	(NA)	(NA)
14	Middlesex (mineral industries only)	19	3	232	1,164	195	384	930	2,328	1,267	3,282	313	219	1,657
144	Sand and gravel	18	1	182	840	148	321	677	2,124	1,083	2,934	273	118	1,071
	Norfolk	15	3	[5]162	[5]714	[5]123	246	567	1,652	[3]755	2,213	(NA)	(NA)	(NA)
14	Mineral industries	11	3	154	679	115	232	532	1,464	721	1,991	194	176	1,779
	Plymouth	10	...	[5]55	[5]228	[5]52	112	203	622	[3]235	854	[4]3	(NA)	(NA)
14	Mineral industries	6	...	29	133	26	55	108	431	77	508	...	78	661
	Worcester	22	1	[5]146	[5]755	[5]125	258	637	1,559	[3]718	2,224	(NA)	[5]116	965
14	Mineral industries	19	1	124	641	103	214	523	1,433	673	2,053	53	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. rRevised.
NA Not available.
[1]Excludes data for any sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[3]Excludes figures for the cost of purchased machinery for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[5]See table 2A, footnote 4.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Massachusetts, total	144	111	33	...	...	...	...	...	...	...	...	...	...	...	...	...	2	5	20	4	88	18	...	6	...	...	1	...
No employees	11	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	1	...	1	...	...	...	...
1-4 employees	52	34	18	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	32	12	...	5	...	...	1	...
5-9 employees	40	35	5	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	5	2	29	2	...	...	...	...	...	...
10-19 employees	26	21	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	7	2	14	2	...	...	...	...	...	...
20-49 employees	12	10	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	6	...	4	1	...	...	...	...	...	...
50-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
250-499 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Barnstable:																												
0-19 employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	...	...	...	...	...	...
Berkshire:																												
0-19 employees	13	7	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	3	6	2	...	...	...	...	...	...
Bristol:																												
0-19 employees	11	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	7	1	...	1	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Essex:																												
0-19 employees	13	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	10	...	...	...	...	...	1	...
20-99 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Franklin:																												
0-19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hampden:																												
0-19 employees	13	9	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	9	1	...	2	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hampshire:																												
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	...	...	...	...	...
Middlesex:																												
0-19 employees	19	16	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	15	2	...	1	...	...	...	...
20-99 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	1	...	...	...	...	...	...	...
250 employees and over	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Norfolk:																												
0-19 employees	12	8	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	6	4	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Plymouth:																												
0-19 employees	10	6	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	5	1	...	2	...	...	...	...
Suffolk:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Worcester:																												
0-19 employees	21	18	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	15	3	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

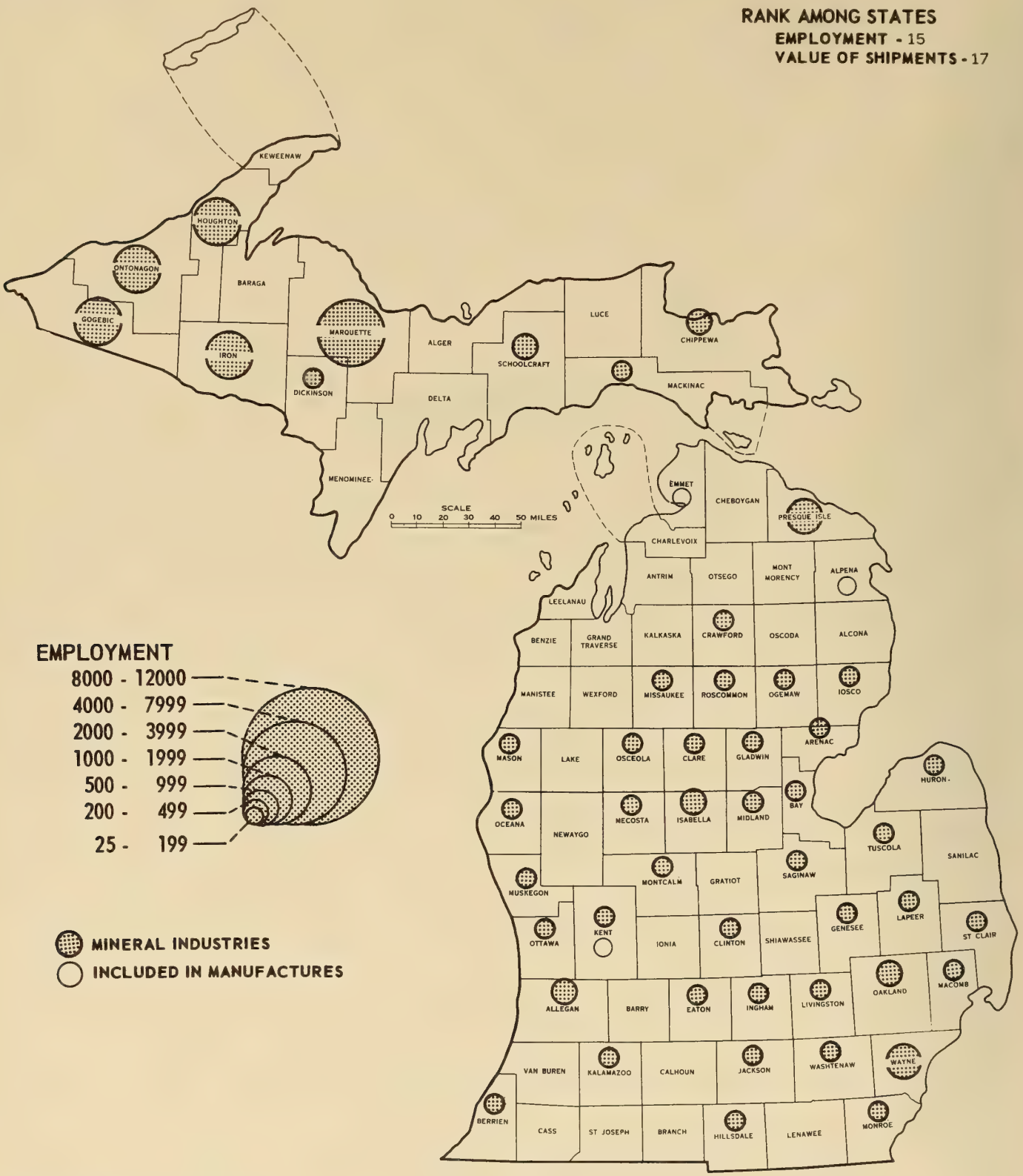
MICHIGAN

19-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MICHIGAN

RANK AMONG STATES
EMPLOYMENT - 15
VALUE OF SHIPMENTS - 17



EMPLOYMENT

8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN MICHIGAN

Employment For Industry Group By County: 1958

Metal Mining



Coal Mining

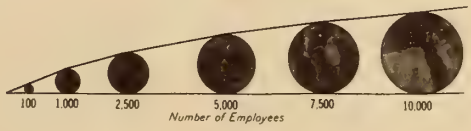


Oil and Gas Extraction



Nonmetallic Minerals Mining

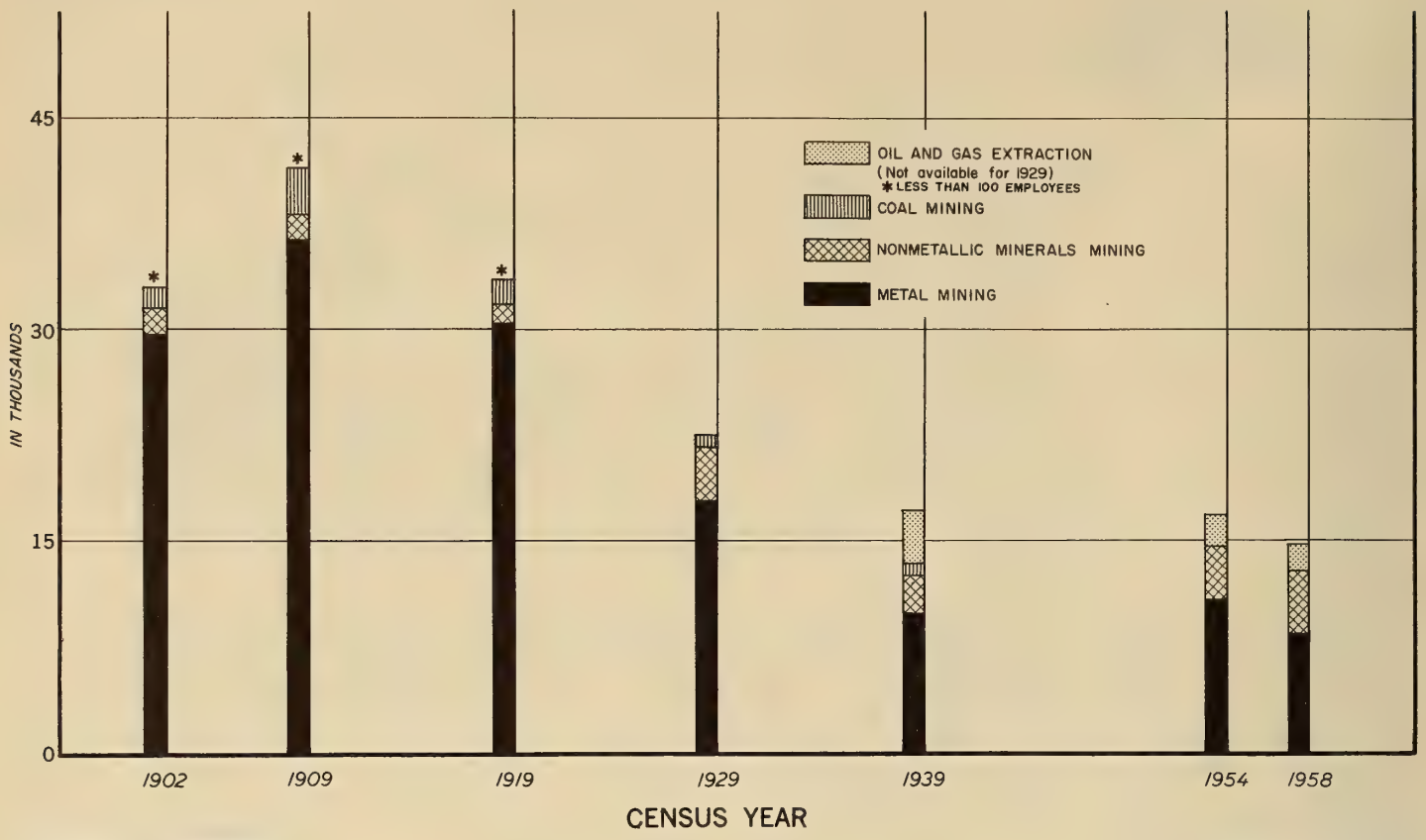




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MICHIGAN



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts [1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	539	87	14,326	73,218	11,865	22,065	r59,292	158,001	43,989	15,783	17,070	8,450	218,308	24,985	r4,304	r363
1954	567	94	16,431	76,316	13,729	28,238	61,134	149,074	41,805	[2]6,922	20,116	23,513	194,668	46,762	3,668	267
Including operations in manufactures: All operations:																
1958	574	91	14,672	74,712	12,210	22,699	r60,782	165,464	[3]45,504	15,783	[3]17,070	[4]8,450	227,286	[4]24,985	r4,304	r352
1954[5]	591	98	16,693	77,342	13,991	28,762	62,160	153,036	[3]42,609	[2]6,922	[3]20,116	[4]23,520	199,440	[4]46,763	[4]3,669	262
1939	[6]620	(NA)	17,032	23,943	15,223	28,951	19,677	64,933	12,162	(NA)	3,509	(NA)	80,604	(NA)	4,525	297
1919[7]	128	(NA)	33,453	55,107	31,537	(NA)	50,750	79,833	24,002	...	35	(NA)	103,870	(NA)	[8]10,779	342
1909[7]	133	(NA)	41,593	30,415	39,879	(NA)	28,147	52,959	14,243	...	512	(NA)	67,714	(NA)	(NA)	(NA)
1902[9]	[6]196	(NA)	32,909	21,569	[10]31,366	(NA)	19,790	39,107	8,839	(NA)	77	(NA)	48,023	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	380	71	12,944	65,947	10,784	19,663	53,904	141,694	[3]38,918	15,425	[3]12,050	[4]6,865	193,370	[4]21,582	r3,521	r327
1954[5]	329	77	14,589	67,845	12,154	25,018	54,165	122,063	[3]34,018	6,883	[3]12,424	[4]19,511	156,207	[4]38,692	[4]2,892	238
1939	[6]187	(NA)	13,519	18,689	12,421	23,999	15,942	42,601	10,596	(NA)	184	(NA)	53,381	(NA)	3,376	272
1929[11]	161	(NA)	22,316	32,673	20,879	(NA)	28,886	72,241	22,942	(NA)	79	3,267	95,262	(NA)	7,947	381

NA Not available. r Revised.

[1] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2] Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4] Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments and for 1958, for dimension stone operations in manufactures. Figures for such dimension stone operations are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[5] Excludes data for sand and gravel mining operations in manufacturing establishments.

[6] Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[7] Excludes data for sand, gravel, common clay, and shale operations, and for limestone quarries operated as parts of cement and lime plants. In 1939, the value of products of such establishments was $3,528 thousand.

[8] Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used.

[9] Excludes data for sand, gravel, common clay, and shale operations, and for stone quarries operated as parts of cement plants producing cement valued at $2,134 thousand. Includes data for lime plants producing lime valued at $208 thousand.

[10] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[11] Excludes data for common clay and shale mining operations. In 1939, there were 12 such mines, with products valued at $201 thousand. For each of the census years 1919, 1909, and 1902, only one oil and gas extraction establishment was reported; hence, the figures shown for these years for "All operations" are also approximately comparable to the figures shown for later years for "Excluding oil and gas extraction industries."

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	574	91	14,672	74,712	12,210	22,699	r60,782	165,464	[2]86,807	[3]227,286	(NA)	16,693	153,036
	Mineral industries	539	87	14,326	73,218	11,865	22,065	r59,292	158,001	85,292	218,308	24,985	16,431	149,074
	Included in manufactures	35	4	[3]346	[3]1,494	[3]345	634	1,490	7,463	[2]1,515	[3]8,978	(NA)	[3]262	3,962
10	Metal mining	40	34	8,291	42,044	6,850	11,860	34,825	78,991	52,408	114,509	16,890	10,618	73,958
1011	Iron ores	32	27	5,714	30,782	4,784	7,521	24,922	62,624	33,086	80,618	15,092	7,943	59,050
13	Oil and gas extraction	194	20	1,728	8,765	1,426	3,036	r6,878	23,770	13,549	33,916	3,403	2,104	30,973
1311	Crude petroleum and natural gas	131	12	1,032	5,163	825	1,670	3,889	17,905	9,541	24,576	2,870	1,365	24,528
	Crude petroleum	125	12	1,008	5,063	808	1,639	3,822	17,478	8,603	23,377	2,704	1,326	24,341
138	Oil and gas field services:													
1389	Oil and gas field services, nec	18	1	98	375	89	196	332	656	182	823	15	(NA)	(NA)
	Nonmetallic minerals mining	340	37	4,653	23,903	3,934	7,803	19,079	62,703	[2]20,850	[3]78,861	(NA)	3,971	48,105
14	Mineral industries	305	33	4,307	22,409	3,589	7,169	17,589	55,240	19,335	69,883	4,692	3,709	44,143
	Included in manufactures	35	4	[3]346	[3]1,494	[3]345	634	1,490	7,463	[2]1,515	[3]8,978	(NA)	[3]262	3,962
1421	Crushed and broken stone (mineral industry only)	43	8	1,615	9,153	1,293	2,471	6,552	18,444	6,530	23,829	1,145	[4]1,546	[4]17,072
	Crushed and broken limstone (mineral subindustry only)	40	8	1,609	9,134	1,287	2,457	6,533	18,400	6,371	23,651	1,120	1,493	16,030
	Sand and gravel	261	21	2,168	10,365	1,819	3,731	8,489	28,431	[2]9,974	[3]35,409	(NA)	(NA)	(NA)
1441	Mineral industry	243	21	2,102	10,050	1,753	3,599	8,174	26,024	9,779	32,807	2,996	1,735	19,260
	Included in manufactures	18	...	[3]66	[3]315	[3]66	132	315	2,407	[2]195	[3]2,602	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry)	235	19	1,990	9,438	1,664	3,394	7,732	23,714	9,104	30,050	2,768	1,615	17,086
	Glass sand and Molding sand (mineral subindustries)	8	2	112	612	89	205	442	2,310	675	2,757	228	120	2,174
	Miscellaneous minerals, nec	11	4	[3]315	[3]1,342	[3]280	631	1,107	5,752	[2]1,565	[3]7,014	[4]303	(NA)	(NA)
	Gypsum	4	2	[3]175	[3]819	[3]159	363	717	4,031	[2]686	[3]4,647	(NA)	(NA)	(NA)
1498	Peat	7	2	140	523	121	268	390	1,721	879	2,367	233	(NA)	(NA)

NA Not available. r Revised.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] For stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4] Includes data for quarries in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	85,292	43,989	15,783	17,070	8,450	24,985	5,118	19,867	xxx	xxx	xxx	xxx
10	Metal mining.....	52,408	[3]38,492	([3])	10,582	3,334	16,890	4,076	12,814	xxx	xxx	xxx	xxx
1011	Iron ores.....	33,086	[3]20,875	([3])	9,442	2,769	15,092	3,809	11,283	[4]8,254	71,738	...	...
13	Oil and gas extraction.....	13,549	[3]6,944	([3])	5,020	1,585	3,403	957	2,446	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	9,541	3,705	...	4,762	1,074	2,870	925	1,945	xxx	24,057	xxx	278
	Crude petroleum.....	8,603	3,514	...	4,041	1,048	2,704	811	1,893	[5]7,585	22,029	[5]84	242
14	Nonmetallic minerals mining.....	19,335	[3]14,336	([3])	1,468	3,531	4,692	85	4,607	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	6,530	5,491	341	179	519	1,145	16	1,129	[6]25,341	22,817	([6])	5
	Crushed and broken limestone.	6,371	5,474	341	47	509	1,120	16	1,104	[6]25,199	22,637	([6])	5
1441	Sand and gravel.....	9,779	[3]6,071	([3])	1,179	2,529	2,996	69	2,927	31,878	[6]34,090	[7]1,983	([6])
	Common sand and gravel.....	9,104	[3]5,641	([3])	1,159	2,304	2,768	69	2,699	30,407	[6]31,649	[7]2,026	([6])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of long tons.

[5]Represents thousands of barrels of crude petroleum shipped.

[6]Figures for primary products of establishments classified in other industries are combined with those for primary products of establishments classified in the specified industry. Includes figures for minerals produced and used in the same establishment in making manufactured products. For stone, no value for such stone is included in the succeeding column.

[7]Includes the quantity of sand and gravel produced and used in the same manufacturing establishment in making manufactured products.

Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	476	463	230	22	69	139	226	4	207	15	7	13
	Number of employees	13,527	13,447	7,076	5,703	290	1,083	5,986	2,146	3,607	233	385	80
	Value added in mining, $1,000	151,299	150,687	83,221	60,376	4,020	18,825	67,286	17,200	48,513	1,573	180	612
10	Metal mining:												
	Number of establishments	38	34	24	22	2	...	6	3	3	...	4	4
	Number of employees	[3]8,291	[3]8,214	(D)	5,703	(D)	...	2,011	(D)	(D)	...	(D)	77
	Value added in mining, $1,000	[3]78,991	[3]78,190	(D)	60,376	(D)	...	(D)	(D)	(D)	...	(D)	801
1011	Iron ores:												
	Number of establishments	32	28	22	20	2	...	4	1	3	...	2	4
	Number of employees	5,714	5,637	(D)	(D)	(D)	...	(D)	(D)	(D)	...	(D)	77
	Value added in mining, $1,000	62,624	61,823	(D)	(D)	(D)	...	(D)	(D)	(D)	...	(D)	801
13	Oil and gas extraction:												
	Number of establishments	134	129	126	...	...	126	...	...	...	...	3	5
	Number of employees	(D)	(D)	1,029	...	...	1,029	...	...	...	...	(D)	3
	Value added in mining, $1,000	(D)	(D)	18,094	...	...	18,094	...	...	...	...	(D)	[4]
14	Nonmetallic minerals mining:												
	Number of establishments	304	300	80	...	67	13	220	1	204	15	...	4
	Number of employees	[3]4,307	(D)	(D)	...	(D)	54	3,975	(D)	(D)	233	...	(D)
	Value added in mining, $1,000	[3]55,240	(D)	(D)	...	(D)	731	(D)	(D)	(D)	1,573	...	(D)
1421	Crushed and broken stone:												
	Number of establishments	43	43	10	...	10	...	33	...	33	...	...	...
	Number of employees	1,615	1,615	43	...	43	...	1,572	...	1,572	...	...	...
	Value added in mining, $1,000	18,444	18,444	298	...	298	...	18,146	...	18,146	...	...	...
1441	Sand and gravel:												
	Number of establishments	243	239	68	...	35	13	171	...	156	15	...	4
	Number of employees	2,102	(D)	218	...	164	54	1,884	...	1,651	233	...	(D)
	Value added in mining, $1,000	26,024	(D)	3,347	...	2,616	731	22,677	...	21,104	1,573	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 27 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 11 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for mining services operations.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MICHIGAN:													
	All mineral operations	574	91	14,672	74,712	12,210	22,699	r60,782	165,464	[3]86,807	[4]227,286	(NA)	16,693	153,036
	Mineral industries	539	87	14,326	73,218	11,865	22,065	r59,292	158,001	85,292	218,308	24,985	16,431	149,074
	Included in manufactures	35	4	[4]346	[4]1,494	[4]345	634	1,490	7,463	[3]1,515	[4]8,978	(NA)	[4]262	3,962
	COUNTIES													
	Allegan (mineral industries only)	44	2	230	1,276	(NA)	(NA)	(NA)	(NA)	(NA)	4,060	(NA)	[5]235	(NA)
131	Crude petroleum and natural gas	21	...	44	213	(NA)	(NA)	(NA)	(NA)	(NA)	1,138	(NA)	64	(NA)
144	Alpena (mineral industries only)	4	...	12	54	11	24	50	146	60	185	21	(NA)	(NA)
	Arenac	31	...	86	415	(NA)	(NA)	(NA)	(NA)	(NA)	1,726	(NA)	[5]69	(NA)
131	Crude petroleum and natural gas	22	...	68	330	(NA)	(NA)	(NA)	(NA)	(NA)	1,526	(NA)	67	(NA)
	Barry	5	...	17	82	(NA)	(NA)	(NA)	(NA)	(NA)	313	(NA)	[5]22	(NA)
	Bay	21	...	90	356	(NA)	(NA)	(NA)	(NA)	(NA)	2,590	(NA)	[5] [6]57	(NA)
	Berrien (mineral industries only)	9	...	61	215	32	47	94	380	61	404	37	46	728
	Branch	3	...	9	45	(NA)	(NA)	(NA)	(NA)	(NA)	72	(NA)	(NA)	(NA)
	Calhoun	7	...	11	48	(NA)	(NA)	(NA)	(NA)	(NA)	90	(NA)	[5]8	[7]109
14	Cass	3	...	4	13	4	5	13	138	12	138	12	(NA)	(NA)
	Cheboygan (mineral industries only)	3	...	1	2	(NA)	(NA)	(NA)	(NA)	(NA)	74	(NA)	(NA)	(NA)
14	Chippewa	3	1	200	1,197	175	357	1,000	2,133	1,470	3,169	434	186	(D)
13	Clare	18	1	86	424	(NA)	(NA)	(NA)	(NA)	(NA)	2,087	(NA)	[5]75	(NA)
131	Crude petroleum and natural gas	14	1	63	306	(NA)	(NA)	(NA)	(NA)	(NA)	1,803	(NA)	75	(NA)
14	Clinton (mineral industries only)	8	...	32	107	26	55	86	298	110	390	18	21	197
13	Crawford	8	...	32	182	(NA)	(NA)	(NA)	(NA)	(NA)	1,173	(NA)	[5]42	(NA)
	Eaton (including operations in manufactures)	9	...	[4]34	[4]184	[4]27	52	126	719	[3]199	[4]860	[8]58	[6]8	[6]203
	Genesee	13	...	30	165	(NA)	(NA)	(NA)	(NA)	(NA)	588	(NA)	[5]55	[9]563
13	Gladwin	27	1	94	462	(NA)	(NA)	(NA)	(NA)	(NA)	1,387	(NA)	[5]90	(NA)
131	Crude petroleum and natural gas	21	1	76	369	(NA)	(NA)	(NA)	(NA)	(NA)	1,230	(NA)	90	(NA)
	Gogebic	9	4	1,286	6,091	1,101	1,513	4,771	10,074	(D)	11,926	(D)	[5]1,908	[9]14,061
	Gratiot	11	...	13	56	(NA)	(NA)	(NA)	(NA)	(NA)	255	(NA)	[5]26	(NA)
	Hillsdale	16	2	93	482	(NA)	(NA)	(NA)	(NA)	(NA)	1,993	(NA)	26	488
138	Oil and gas extraction	8	2	68	350	(NA)	(NA)	(NA)	(NA)	(NA)	1,000	(NA)	(NA)	(NA)
	Houghton	8	5	1,221	4,870	1,101	2,168	4,233	6,060	(D)	16,639	(D)	1,500	6,503
144	Ingham (mineral industries only)	10	...	40	254	29	65	154	619	178	794	3	47	[9]410
	Iosco (including operations in manufactures)	3	2	181	871	152	365	698	3,858	1,051	4,629	280	(NA)	(NA)
10	Iron	15	11	1,530	9,929	1,321	2,360	8,237	22,875	5,599	26,088	2,386	2,128	21,471
	Isabella	40	3	293	1,463	(NA)	(NA)	(NA)	(NA)	(NA)	4,302	(NA)	171	(NA)
13	Oil and gas extraction	36	3	262	1,311	(NA)	(NA)	(NA)	(NA)	(NA)	3,748	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	20	1	135	655	(NA)	(NA)	(NA)	(NA)	(NA)	2,437	(NA)	152	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Jackson (mineral industries only)	14	...	59	223	(NA)	(NA)	(NA)	(NA)	(NA)	847	(NA)	34	219
	Kalamazoo (including operations in manufactures)	9	1	[4]42	[4]189	[4]37	74	154	850	[3]131	[4]917	[8]64	[5]65	[9]325
	Kent (mineral industries only), total	35	...	123	694	(NA)	(NA)	(NA)	(NA)	(NA)	1,767	(NA)	[5]152	(NA)
144	Nonmetallic minerals mining (mineral industries only—sand and gravel)	10	...	59	327	52	140	291	1,084	190	1,216	58	101	1,322
	Lenawee (mineral industries only)	5	...	13	47	8	15	30	95	51	133	13	16	153
144	Macomb	18	...	101	542	76	170	429	1,254	306	1,448	112	80	849
	Manistee	5	...	8	31	(NA)	(NA)	(NA)	(NA)	(NA)	243	(NA)	(NA)	(NA)
	Marquette	18	14	2,984	15,213	2,452	3,836	12,419	29,911	(D)	44,300	(D)	3,970	23,094
	Mason	11	...	45	191	(NA)	(NA)	(NA)	(NA)	(NA)	1,107	(NA)	[5]31	(NA)
	Mecosta:													
	Including operations in manufactures	22	...	[4]44	[4]199	(NA)	(NA)	(NA)	(NA)	(NA)	[4]398	(NA)	[5]27	(NA)
	Mineral industries only	19	...	36	171	(NA)	(NA)	(NA)	(NA)	(NA)	310	(NA)	[5]27	(NA)
	Midland	25	1	72	351	(NA)	(NA)	(NA)	(NA)	(NA)	1,008	(NA)	[5]142	(NA)
131	Missaukee (crude petroleum and natural gas only)	5	1	44	213	(NA)	(NA)	(NA)	(NA)	(NA)	1,394	(NA)	(NA)	(NA)
	Monroe (mineral industries only)	6	2	76	353	(NA)	(NA)	(NA)	(NA)	(NA)	1,422	(NA)	(NA)	(NA)
	Montcalm	26	...	69	332	(NA)	(NA)	(NA)	(NA)	(NA)	1,415	(NA)	[5]63	(NA)
131	Crude petroleum and natural gas	15	...	36	175	(NA)	(NA)	(NA)	(NA)	(NA)	1,086	(NA)	(NA)	(NA)
	Muskegon	12	...	97	521	(NA)	(NA)	(NA)	(NA)	(NA)	691	(NA)	[5] [6]112	(NA)
	Newaygo	17	...	22	98	(NA)	(NA)	(NA)	(NA)	(NA)	459	(NA)	[5]43	(NA)
	Oakland (mineral industries only)	31	4	354	1,874	(NA)	(NA)	(NA)	(NA)	(NA)	6,234	(NA)	277	4,098
	Sand and gravel (including operations in manufactures)	30	4	[4]355	[4]1,882	[4]310	635	1,550	5,255	[3]1,382	[4]6,226	[8]411	(NA)	(NA)
	Oceana	24	...	39	186	(NA)	(NA)	(NA)	(NA)	(NA)	1,050	(NA)	[5]22	(NA)
	Ogemaw	22	...	52	263	(NA)	(NA)	(NA)	(NA)	(NA)	1,542	(NA)	[5]81	(NA)
	Osceola	27	2	125	589	(NA)	(NA)	(NA)	(NA)	(NA)	2,547	(NA)	[5]109	(NA)
131	Crude petroleum and natural gas	15	...	74	359	(NA)	(NA)	(NA)	(NA)	(NA)	1,977	(NA)	(NA)	(NA)
	Ottawa	25	1	196	834	(NA)	(NA)	(NA)	(NA)	(NA)	2,505	(NA)	[5]60	(NA)
14	Nonmetallic minerals mining	9	1	164	678	135	271	560	1,494	693	2,095	92	35	415
	Roscommon	9	2	54	273	(NA)	(NA)	(NA)	(NA)	(NA)	1,329	(NA)	[5]17	(NA)
14	Saginaw	21	...	65	290	(NA)	(NA)	(NA)	(NA)	(NA)	1,031	(NA)	[5] [6]44	(NA)
	St. Clair (mineral industries only)	14	1	152	939	(NA)	(NA)	(NA)	(NA)	(NA)	2,216	(NA)	(NA)	(NA)
14	Sanilac	5	...	12	48	11	22	42	152	45	190	7	(NA)	(NA)
	Shiawassee (mineral industries only)	4	...	15	50	(NA)	(NA)	(NA)	(NA)	(NA)	203	(NA)	18	178
	Tuscola (mineral industries only)	22	1	108	417	(NA)	(NA)	(NA)	(NA)	(NA)	2,153	(NA)	[5]56	(NA)
14	Nonmetallic minerals mining (mineral industries only)	11	1	83	292	76	149	267	1,546	241	1,648	139	45	682

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Van Buren	12	...	14	71	(NA)	(NA)	(NA)	(NA)	(NA)	235	(NA)	[5]25	(NA)
	Washtenaw (mineral industries only)	16	2	98	505	(NA)	(NA)	(NA)	(NA)	(NA)	2,097	(NA)	[5]151	(NA)
144	Nonmetallic minerals mining (mineral industries only—sand and gravel)	13	2	95	490	79	178	383	1,011	958	1,810	159	121	1,054
	Wayne (mineral industries only)	28	6	634	4,069	(NA)	(NA)	(NA)	(NA)	(NA)	11,399	(NA)	[5]513	[7]9,077
14	Nonmetallic minerals mining (mineral industries only)	20	6	617	3,982	482	942	2,859	8,455	2,903	10,781	577	(NA)	(NA)
13	Undistributed	40	1	104	527	(NA)	(NA)	(NA)	(NA)	(NA)	2,991	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	24	...	26	126	(NA)	(NA)	(NA)	(NA)	(NA)	1,451	(NA)	(NA)	(NA)
138	Oil and gas field services	16	1	78	401	(NA)	(NA)	(NA)	(NA)	(NA)	1,540	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for Oil and Gas Field Services Industries.
[6]Represents mineral industries only.
[7]Excludes data for one Crude Petroleum and Natural Gas establishment.
[8]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[9]Excludes data for 2 Crude Petroleum and Natural Gas establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Michigan, total.....	574	539	35	32	6	...	...	...	...	2	...	...	...	131	3	60	6	1	43	2	243	18	3	11	1	1	8	3
No employees.....	60	54	6	1	...	...	...	...	...	...	...	...	...	16	...	5	...	...	13	...	18	3	1	3	...	...	...	...
1-4 employees.....	272	258	14	2	...	...	...	...	...	...	...	...	...	75	2	30	4	...	16	...	123	9	1	5	...	1	4	...
5-9 employees.....	79	75	4	1	...	...	...	...	...	...	...	...	...	14	...	7	1	...	2	...	49	2	...	2	...	...	1	...
10-19 employees...	72	r65	7	r1	1	...	...	...	...	...	...	...	...	14	1	10	1	1	4	...	32	4	1	...	...	...	...	2
20-49 employees...	r41	r38	3	r5	...	...	...	...	...	1	...	...	...	8	...	5	...	...	2	1	16	...	...	1	...	...	1	1
50-99 employees...	r14	r14	...	r5	1	...	...	...	...	...	...	...	...	2	...	3	...	...	1	...	1	...	...	...	...	...	1	...
100-249 employees.	26	25	1	r12	2	...	...	...	...	r1	...	...	...	2	...	...	...	...	3	1	4	...	...	...	...	...	1	...
250-499 employees.	5	5	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
500-999 employees.	3	3	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	2	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Allegan:																												
0-19 employees....	43	42	1	...	...	...	...	...	...	...	...	...	...	21	...	12	...	...	3	...	5	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Alpena:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Antrim:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Arenac:																												
0-19 employees....	31	31	...	...	...	...	...	...	...	...	...	...	...	22	...	7	...	...	...	...	2	...	...	...	...	...	...	...
Baraga:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Barry:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	2	...	...	...	...	...	...	...
Bay:																												
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	16	...	1	...	...	2	...	2	...	...	...	...	...	...	...
Berrien:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	4	...	4	1	...	...	...	...	...	...
Branch:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...
Calhoun:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	...	1	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Charlevoix:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cheboygan:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	1	...	...	...	...	...	...
Chippewa:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Clare:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	13	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clinton:																												
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	1	...	...	...	1	...	...
Crawford:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	5	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Delta:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2. r Revised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Dickinson:																											
0-19 employees....	3	3	...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eaton:																											
0-19 employees....	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	4	1	1	1	...	...	...	...
Emmet:																											
0-19 employees....	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Genesee:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	9	...	...	...	...	...	...	...
Gladwin:																											
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	20	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gogebic:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	3	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Traverse:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Gratiot:																											
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	4	...	...	...	...	...	...	...
Hillsdale:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	1	...	6	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Houghton:																											
0-19 employees....	3	3	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Huron:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Ingham:																											
0-19 employees....	11	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	1	...	...	...	...	...	...
Ionia:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Iosco:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Iron:																											
0-19 employees....	4	4	...	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Isabella:																											
0-19 employees....	37	37	...	...	...	...	...	...	...	...	...	...	...	19	1	13	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	15	14	1	...	...	...	...	...	...	...	...	...	...	1	...	2	3	1	2	...	6	...	...	...	...	...	...	...
Kalamazoo:																											
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	3	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Kalkaska:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Kent:																											
0-19 employees....	37	35	2	...	...	...	...	...	...	1	...	...	...	16	...	8	...	...	...	...	10	1	...	...	...	...	...	1
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Lake:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lapeer:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Leelanau:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lenawee:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	1	...	1	...	...
Livingston:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mackinac:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Macomb:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	...	...	...	...	...	...	...
Manistee:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	2	...	...	...	...	...	...	...
Marquette:																												
0-19 employees....	4	4	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	7	7	...	5	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	5	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mason:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	3	...	7	...	...	...	...	1	...	...	...	...	...	...	...
Mecosta:																												
0-19 employees....	22	19	3	...	...	...	...	...	...	...	...	...	...	10	...	7	...	...	1	...	1	3	...	...	...	...	...	...
Menominee:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Midland:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	15	1	6	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Missaukee:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monroe:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	2	1	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Montcalm:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	15	...	10	...	...	...	...	1	...	...	...	...	...	...	...
Muskegon:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	...	...	...	4	...	...	...	...	...	...	...
Newaygo:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	8	...	6	...	...	1	...	2	...	...	...	...	...	...	...
Oakland:																												
0-19 employees....	29	27	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	25	1	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oceana:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	14	...	9	...	...	...	...	1	...	...	...	...	...	...	...
Ogemaw:																												
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	18	...	2	...	...	...	...	2	...	...	...	...	...	...	...
Ontonagon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Osceola:																												
0-19 employees....	25	25	...	...	...	...	...	...	...	...	...	...	...	15	...	8	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Oscoda:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Otsego:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Ottawa:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	7	...	9	...	...	2	...	6	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Presque Isle:																											
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Roscommon:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Saginaw:																											
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	9	...	7	...	...	...	...	4	...	1	...	...	...	...	...
St. Clair:																											
0-19 employees....	14	13	1	...	...	...	...	...	...	...	...	...	...	6	...	5	...	...	...	...	2	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
St. Joseph:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Sanilac:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	2	...
Schoolcraft:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Shiawassee:																											
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	1	...	1	...	...	...	...
Tuscola:																											
0-19 employees....	22	21	1	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	9	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Van Buren:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	1	...	3	...	...	...	...	...	...	...
Washtenaw:																											
0-19 employees....	15	14	1	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	11	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Wayne:																											
0-19 employees....	26	22	4	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	2	...	11	1	1	3	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Wexford:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	39	39	...	...	...	...	...	...	...	...	...	...	...	24	...	15	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

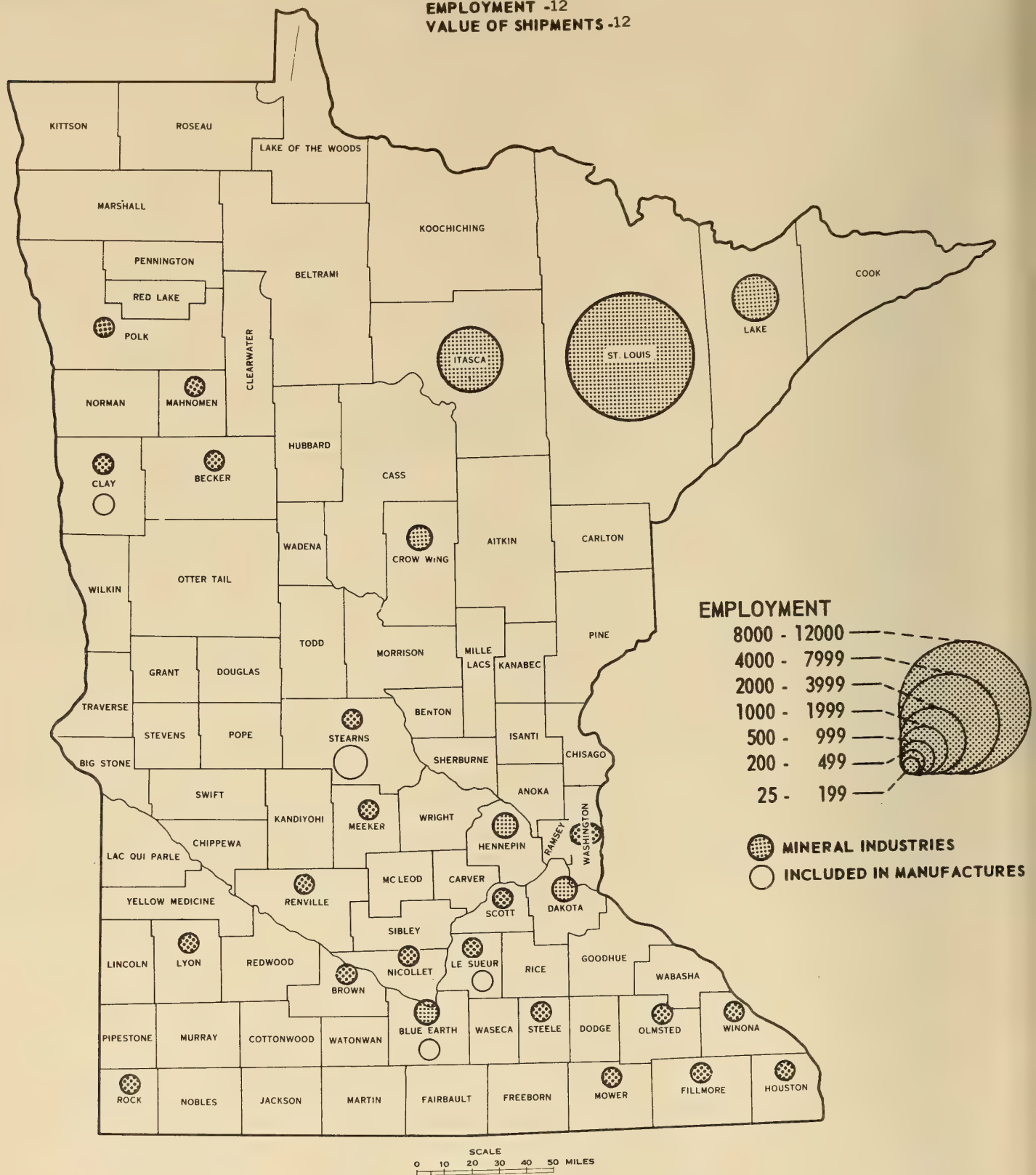
MINNESOTA

20-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MINNESOTA

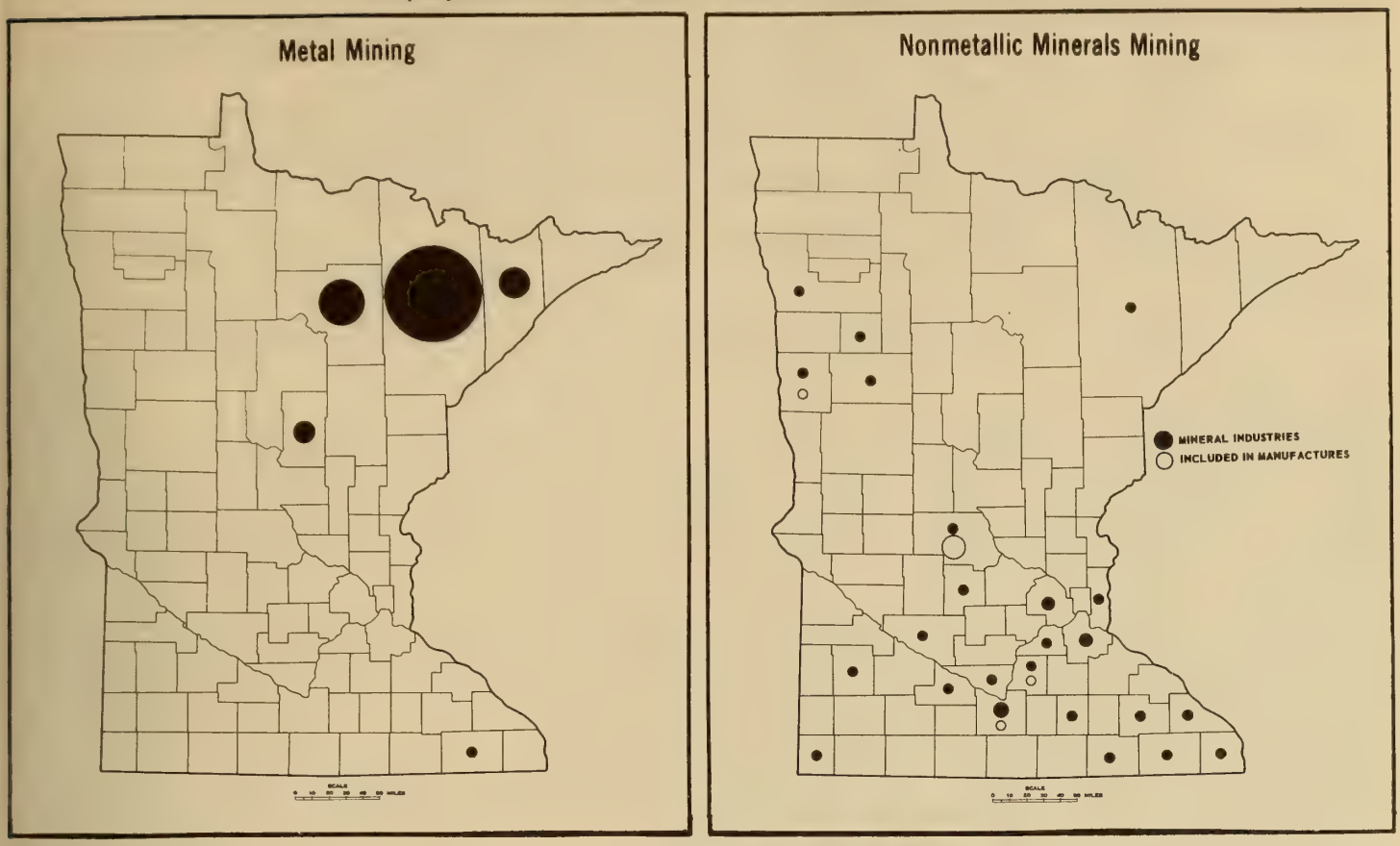
RANK AMONG STATES
EMPLOYMENT -12
VALUE OF SHIPMENTS -12



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN MINNESOTA

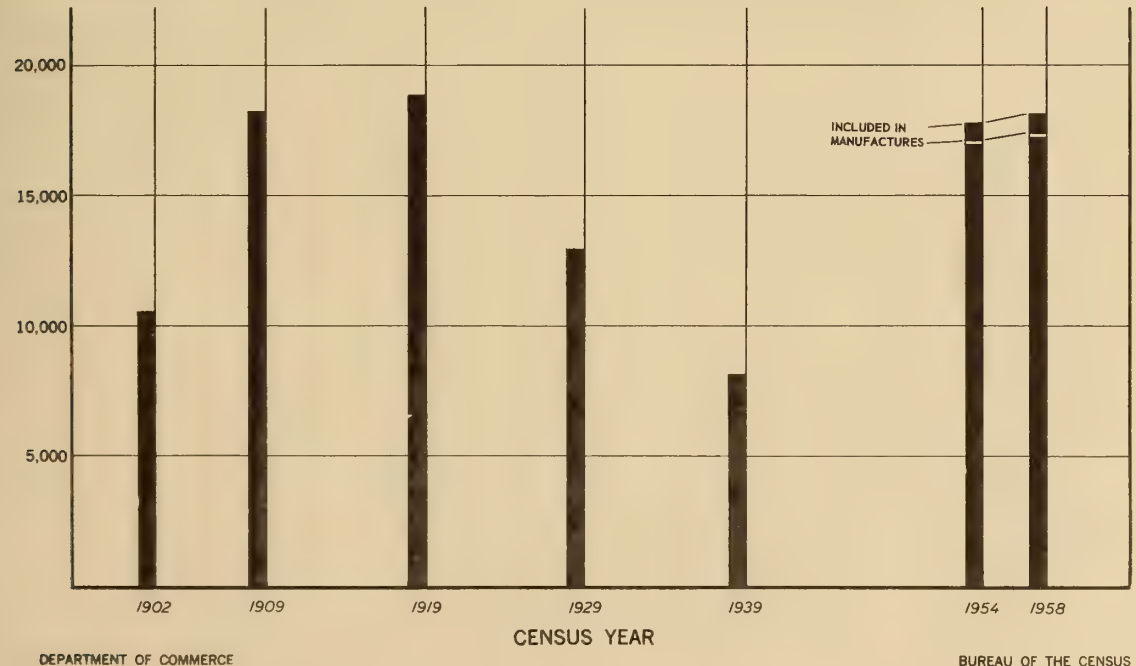
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MINNESOTA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	289	89	17,178	97,075	11,726	22,295	59,543	311,745	75,939	29,743	10,993	7,547	420,698	15,269	r7,824	r667
1954	292	84	16,995	75,472	13,849	26,355	56,495	290,205	56,740	4,580	30,763	25,622	343,864	64,046	2,645	191
Including operations in manufactures:																
1958	317	96	18,164	101,547	12,600	24,207	63,039	319,677	r [2]78,944	r29,743	[2]10,993	[3]7,583	431,635	[3]15,305	r[3]7,878	r625
1954[4]	300	88	17,756	78,444	14,499	27,923	58,942	293,990	[2]58,948	5,138	[2]30,771	[3]25,800	350,424	[3]64,223	[3]2,713	187
1939[5]	[6]178	(NA)	8,145	13,385	6,866	13,215	9,987	91,572	7,258	(NA)	106	(NA)	98,936	(NA)	1,715	250
1929[7]	150	(NA)	12,973	21,536	11,684	(NA)	18,283	116,681	14,240	(NA)	1,480	3,031	132,401	(NA)	3,963	339
1919[8]	145	(NA)	18,824	32,925	17,540	(NA)	29,835	108,981	19,229	...	2,189	(NA)	130,399	(NA)	[9]5,698	[9]325
1909[8]	189	(NA)	18,223	13,754	16,877	(NA)	12,161	47,487	8,986	...	2,192	(NA)	58,665	(NA)	(NA)	(NA)
1902[10]	[11]176	(NA)	10,552	7,042	[12]9,877	(NA)	6,465	22,523	2,868	(NA)	339	(NA)	25,730	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909 represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years represents net production and excludes this duplication.

[2]For sand and gravel and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchased for resale and purchased fuels and electricity.

[3]Excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[4]Excludes data for any sand and gravel mining operations in manufacturing establishments. All figures except number of establishments exclude data for 2 common clay pits included in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for limestone and granite dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $51 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for limestone is not available.

[6]Represents number of mines and quarries.

[7]Excludes data for clay mining operations included in manufacturing establishments. There were about 6 such mines in 1939 with products valued at about $114 thousand.

[8]Excludes data for sand and gravel mining operations included in manufacturing establishments and for stone quarries operated as parts of cement and lime plants. In 1929, there were 25 such operations with products valued at $2,042 thousand. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity for such operations amounted to only 3 percent of the total kwh equivalent of energy used.

[10]Excludes data for sand, gravel, common clay, and shale mining operations in manufacturing establishments. Includes data for 2 cement plants and an unknown number of lime plants producing lime valued at $76 thousand.

[11]Represents number of producing mines and quarries.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	317	96	18,164	101,547	12,600	24,207	63,039	319,677	[1]127,263	431,635	[2]15,305	[3]17,756	[3]293,990
	Mineral industries	289	89	[4]17,178	[4]97,075	11,726	22,295	59,543	311,745	124,222	420,698	15,269	[4]16,995	290,205
	Included in manufactures	28	7	[5]986	[5]4,472	[5]874	1,912	3,496	7,932	[1]3,041	[5]10,937	[2]36	[3] [5]761	[3]3,785
10	Metal mining	89	63	15,166	87,335	10,146	18,722	52,657	292,231	114,138	393,579	12,790	15,489	278,618
1011	Iron ores	84	62	15,048	86,602	10,054	18,524	52,129	291,127	113,803	392,209	12,721	15,398	278,064
108	Metal mining services	5	1	118	733	92	198	528	1,104	335	1,370	69	(NA)	(NA)
	Nonmetallic minerals mining	228	33	2,960	13,896	2,454	5,485	10,382	27,446	[1]13,125	38,056	[2]2,515	[3]2,260	[3]15,372
14	Mineral industries	200	26	1,974	9,424	1,580	3,573	6,886	19,514	10,084	27,119	2,479	1,506	11,587
	Included in manufactures	28	7	[5]986	[5]4,472	[5]874	1,912	3,496	7,932	[1]3,041	[5]10,937	[2]36	[3] [5]754	[3]3,785
	Dimension stone	22	6	972	4,332	844	1,841	3,335	6,708	3,034	9,689	53	804	3,997
1411	Mineral industry	15	...	88	191	72	130	170	402	238	623	17	50	212
	Included in manufactures	7	6	884	4,141	772	1,711	3,165	6,306	2,796	9,066	36	754	3,785
	Dimension limestone	7	3	184	755	150	307	550	1,102	348	1,420	30	143	1,100
	Included in manufactures	4	3	161	744	135	292	541	1,059	344	1,375	28	(NA)	(NA)
	Dimension granite	15	3	788	3,577	694	1,534	2,785	5,606	2,686	8,269	23	661	2,897
1421	Crushed and broken stone	29	10	542	2,529	470	1,029	2,058	4,354	3,081	6,899	536	377	2,430
	Crushed and broken limestone	25	9	505	2,357	437	958	1,912	4,053	2,550	6,086	517	(NA)	(NA)
	Sand and gravel	167	16	1,358	6,659	1,060	2,457	4,697	15,784	[1]6,663	20,582	[2]1,865	(NA)	(NA)
1441	Mineral industry	151	15	1,282	6,397	984	2,305	4,435	14,256	6,467	18,858	1,865	1,044	8,784
	Included in manufactures	16	1	[5]76	[5]262	[5]76	152	262	1,528	[1]196	[5]1,724	(NA)	(NA)	(NA)

NA Not available.

[1]Excludes figures for the cost of purchased machinery installed at sand and gravel and clay mining operations in manufacturing establishments.

[2]Excludes figures for sand and gravel and clay mining operations in manufacturing establishments.

[3]See table 1, footnote 4.

[4]Includes figures for separately reported central offices and related facilities in the Crude Petroleum and Natural Gas Industry.

[5]For sand and gravel and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	124,222	75,939	29,743	10,993	7,547	15,269	2,847	12,422	xxx	xxx	xxx	xxx
10	Metal mining.....	114,138	[3]98,507	([3])	9,311	6,320	12,790	2,309	10,481	xxx	xxx	xxx	xxx
1011	Iron ores.....	113,803	[3]98,190	([3])	9,311	6,302	12,721	2,309	10,412	[4]33,286	[4]264,517	([5])	([5])
14	Nonmetallic minerals mining.....	10,084	[3]7,175	([3])	1,682	1,227	2,479	538	1,941	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	3,081	1,891	...	672	518	536	5	531	4,268	6,439	87	292
	Crushed and broken limestone.	2,550	1,714	...	322	514	517	5	512	3,766	5,626	40	74
1441	Sand and gravel.....	6,467	[3]4,837	([3])	976	654	1,865	531	1,334	15,146	[5]17,209	[6]1,364	([5])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for cost of minerals received for preparation are combined with figures for cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents shipments of direct-shipping and beneficiating-grade iron ores plus shipments of iron concentrates for consumption and for agglomeration, less crude iron ore received for preparation. Quantity represents thousands of long tons. See also footnote 5.

[5]Figures for shipments of primary products by establishments classified in other industries are combined with figures for shipments of primary products by establishments classified in the specified industry. For sand and gravel, the total shown includes the estimated value of sand and gravel produced and used in the same manufacturing establishment.

[6]Includes sand and gravel produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	282	268	73	...	59	14	193	8	178	7	2	14
	Number of employees	[3]17,040	13,737	2,740	...	2,730	10	(D)	(D)	8,367	(D)	(D)	349
	Value added in mining, $1,000	310,343	311,471	82,039	...	81,870	169	(D)	(D)	179,452	(D)	(D)	([4])
1011	Metal mining (Iron ores):												
	Number of establishments	84	71	15	...	15	...	54	8	46	...	2	13
	Number of employees	[3]15,048	(D)	2,345	...	2,345	...	(D)	(D)	6,992	...	(D)	(D)
	Value added in mining, $1,000	291,127	(D)	75,583	...	75,583	...	(D)	(D)	168,439	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	198	197	58	...	44	14	139	...	132	7	...	1
	Number of employees	1,954	(D)	395	...	385	10	(D)	...	1,375	(D)	...	(D)
	Value added in mining, $1,000	19,216	(D)	6,456	...	6,287	169	(D)	...	11,013	(D)	...	(D)
1421	Crushed and broken stone:												
	Number of establishments	29	29	3	...	3	...	26	...	26	...	...	...
	Number of employees	542	542	11	...	11	...	531	...	531	...	...	...
	Value added in mining, $1,000	4,354	4,354	169	...	169	...	4,185	...	4,185	...	...	...
1441	Sand and gravel:												
	Number of establishments	151	151	41	...	27	14	110	...	103	7	...	...
	Number of employees	1,282	[5]1,282	300	...	290	10	[5]982	...	(D)	(D)	...	...
	Value added in mining, $1,000	14,256	14,256	5,885	...	5,716	169	8,371	...	(D)	(D)	...	...

D Withheld to avoid disclosing data for individual establishments.
[1]Represents data for sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[3]Includes some employees at separately reported central offices and related facilities which were not distributed by type of operation.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the capital expenditures.
[5]Includes employees at separately reported central offices and related facilities.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MINNESOTA:													
	All mineral operations	317	96	18,164	101,547	12,600	24,207	63,039	319,677	[4]127,263	431,635	[5]15,305	17,756	293,990
	Mineral industries	289	89	17,178	97,075	11,726	22,295	59,543	311,745	124,222	420,698	15,269	16,995	290,205
	Included in manufactures	28	7	986	4,472	874	1,912	3,496	7,932	[4]3,041	10,937	[5]36	761	3,785
	COUNTIES													
	Blue Earth, total	11	1	126	598	107	222	449	1,308	304	1,569	43	(NA)	(NA)
14	Mineral industries	8	...	60	317	51	115	262	707	161	827	41	53	667
	Included in manufactures	3	1	66	281	56	107	187	601	143	742	2	(NA)	(NA)
14	Brown (mineral industries only)	4	...	25	123	18	43	73	301	259	[6]560	([6])	11	118
14	Carlton (mineral industries only)	3	...	5	17	5	7	17	61	7	66	2	(NA)	(NA)
	Clay (including operations in manufactures)	5	2	59	241	54	120	209	716	[4]104	820	(NA)	24	108
	Crow Wing	13	6	473	3,048	401	778	2,438	9,414	2,274	11,123	565	914	11,265
14	Dakota	8	3	213	1,117	167	339	852	1,814	1,475	3,244	45	42	265
	Fillmore	8	1	111	456	100	208	401	1,601	986	2,449	138	62	851
14	Goodhue (mineral industries only)	6	...	22	79	21	44	77	222	72	255	39	42	229
	Hennepin (mineral industries only)	10	3	236	1,602	107	193	563	2,187	436	2,249	374	168	2,297
	Sand and gravel (including operations in manufactures)	10	2	114	610	95	196	492	1,927	415	2,300	42	(NA)	(NA)
	Itasca	26	16	2,594	14,444	1,891	3,460	9,959	73,429	12,933	83,156	3,206	3,418	64,748
101	Iron ores	20	16	2,583	14,407	1,880	3,445	9,922	73,283	12,916	83,007	3,192	(NA)	(NA)
14	Lac qui Parle	3	...	20	62	18	43	57	130	46	175	1	26	133
	Le Sueur (including operations in manufactures)	4	2	144	655	116	266	486	768	550	1,158	160	30	158
	Mower (including operations in manufactures)	5	...	30	111	19	22	67	321	176	[6]497	([6])	(NA)	(NA)
14	Nicollet	4	...	27	95	21	43	70	176	48	[6]224	([6])	(NA)	(NA)
14	Olmsted	4	1	57	444	40	75	250	631	311	[6]942	([6])	95	651
	Pipestone (including operations in manufactures)	3	...	9	32	9	19	32	(D)	(D)	136	...	(NA)	(NA)
14	Polk	3	1	34	172	29	51	125	378	136	471	43	(NA)	(NA)
	Ramsey (including operations in manufactures)	4	...	[7]142	[7]957	18	32	76	236	27	263	...	26	250
14	Redwood (mineral industries only)	3	...	15	21	9	16	16	61	23	82	2	(NA)	(NA)
14	Renville (mineral industries only)	4	1	65	249	53	127	210	492	302	720	74	30	259
14	Rice	6	...	14	57	12	21	50	198	25	201	22	11	133
14	Rock	3	1	31	123	30	53	118	176	29	[6]205	([6])	32	257
	St. Louis (mineral industries only)	69	40	10,993	63,570	7,010	12,904	35,805	178,118	68,725	239,167	7,676	11,232	203,217
10	Metal mining	57	40	10,926	63,099	6,965	12,810	35,588	177,598	68,393	238,397	7,594	11,128	202,532
101	Iron ores	52	39	10,850	62,630	6,904	12,679	35,238	176,932	68,141	237,513	7,560	(NA)	(NA)
14	Scott	7	1	58	256	50	90	213	532	270	608	194	87	599
14	Stearns (mineral industries only)	4	1	44	219	40	71	153	292	217	482	27	96	229
14	Steele	5	...	38	179	32	74	133	297	226	414	109	45	418
14	Washington	5	1	52	274	46	71	232	679	229	[6]908	([6])	124	999
14	Winona (mineral industries only)	5	3	104	383	97	117	332	649	279	892	36	[8]56	[8]363

D Withheld to avoid disclosing data for individual establishments.
NA Not available.
[1]See table 1, footnote 4.
[2]Companies engaged only in performing mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and receipts for services by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For sand and gravel and clay mining in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]Excludes figures for cost of purchased machinery for sand and gravel and clay mining in manufacturing establishments.
[5]Excludes figures for sand and gravel and clay mining in manufacturing establishments.
[6]Figures for capital expenditures are combined with the figures for value of shipments and receipts.
[7]Includes figures for separately reported central offices and related facilities.
[8]Includes figures for mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Minnesota, total....	317	289	28	84	...	...	...	...	...	5	...	...	...	...	...	...	15	7	29	...	151	16	1	5	...	2	2	...
No employees.....	30	28	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25	2	...	...	...	...	...	...
1-4 employees.....	94	80	14	5	...	...	...	...	...	1	...	...	...	...	...	...	6	...	5	...	62	10	...	4	...	...	1	...
5-9 employees.....	51	49	2	6	...	...	...	...	...	...	...	...	...	...	...	...	6	...	8	...	28	2	...	...	...	1	...	...
10-19 employees...	46	43	3	8	...	...	...	...	...	3	...	...	...	...	...	...	3	1	6	...	21	1	1	1	...	1	...	...
20-49 employees...	40	36	4	14	...	...	...	...	...	1	...	...	...	...	...	...	...	3	8	...	12	1	...	...	...	...	1	...
50-99 employees...	19	18	1	14	...	...	...	...	...	...	...	...	...	...	...	...	..	1	1	...	3	...	...	...	...	...	...	...
100-249 employees.	27	26	1	25	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
250-499 employees.	5	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	3	2	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Anoka:																												
0-19 employees....	1	1	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Becker:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Big Stone:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
Blue Earth:																												
0-19 employees....	10	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	5	1	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	1	...	...	...	...
Carlton:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...
Carver:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
Cass:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chippewa:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Chisago:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Clearwater:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Cottonwood:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Crow Wing:																												
0-19 employees....	7	7	...	3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	4	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dakota:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Dodge:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Douglas:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Fillmore:																												
0-19 employees....	7	7	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Freeborn:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Goodhue:																												
0-19 employees....	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	1	...	1	...	...	...	...
Grant:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hennepin:																												
0-19 employees....	9	7	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	6	2	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Houston:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Isanti:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Itasca:																												
0-19 employees....	10	10	...	4	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	4	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	11	11	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Kanabec:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Kandiyohi:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Kittson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Koochiching:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Lac qui Parle:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
Lake:																												
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Le Sueur:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
Lyon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
McLeodi:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mahnomen:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Martin:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Meeker:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mille Lacs:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Morrison:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mower:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	1	...	...	...	...	...	...
Murray:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Nicollet:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
Nobles:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Olmsted:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Otter Tail:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...
Pennington:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pine:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Pipestone:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
Polk:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pope:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Ramsey:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	1	...	...	...	...
Redwood:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	1	...	...	...	...	...	...
Renville:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Rice:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...
Rock:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Roseau:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
St. Louis:																												
0-19 employees....	30	29	1	13	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...	...	11	1	...	...	...	...	...	...
20-99 employees...	21	21	...	20	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	12	12	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	7	7	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sherburne:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Sibley:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
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COUNTIES—Continued																												
Stearns:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Steele:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...
Stevens:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Swift:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Todd:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Wadena:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wilkin:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Winona:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Wright:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Yellow Medicine:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	1	...	...

[1]See table 3, footnote 2.

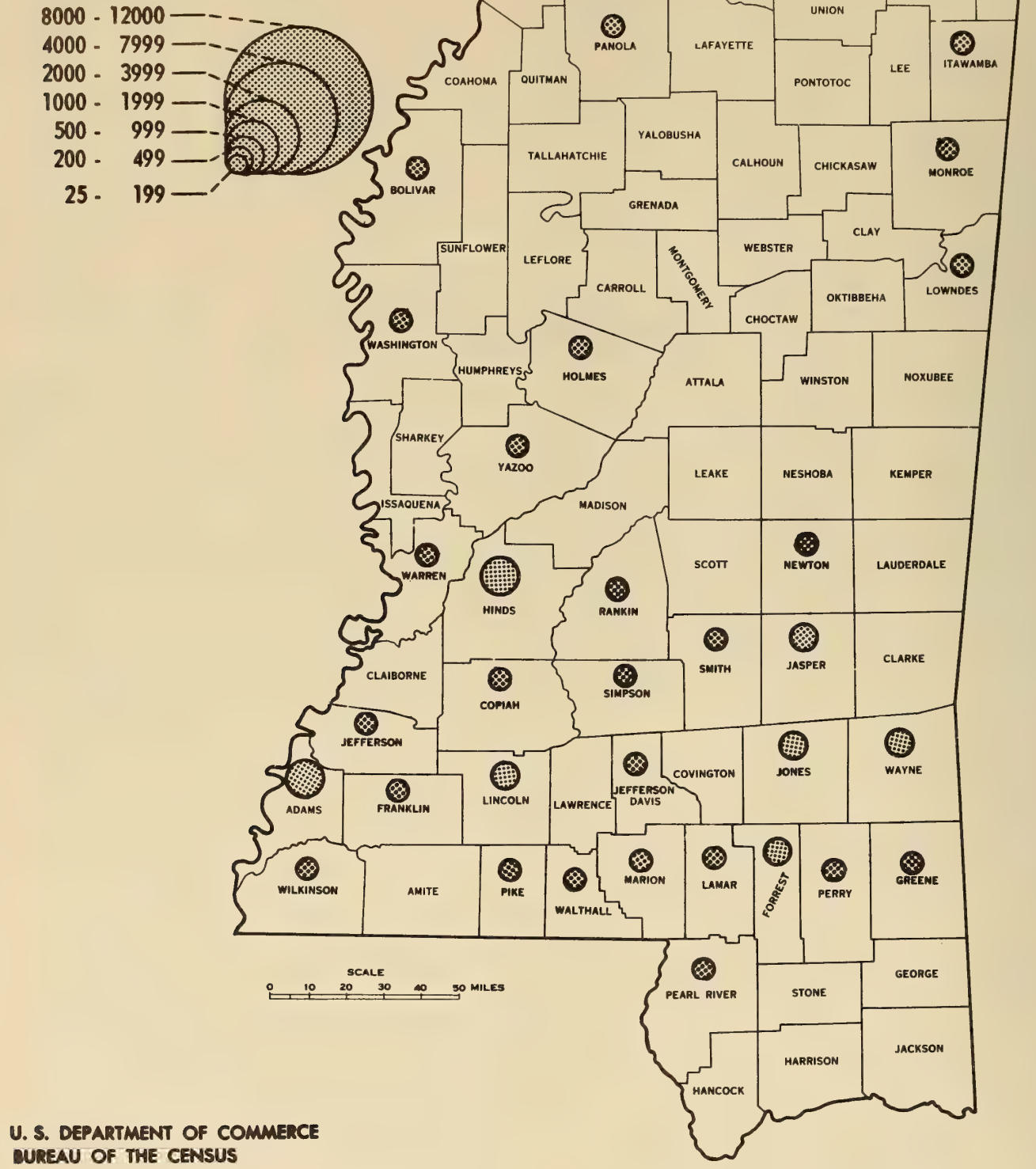
MISSISSIPPI

21-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MISSISSIPPI

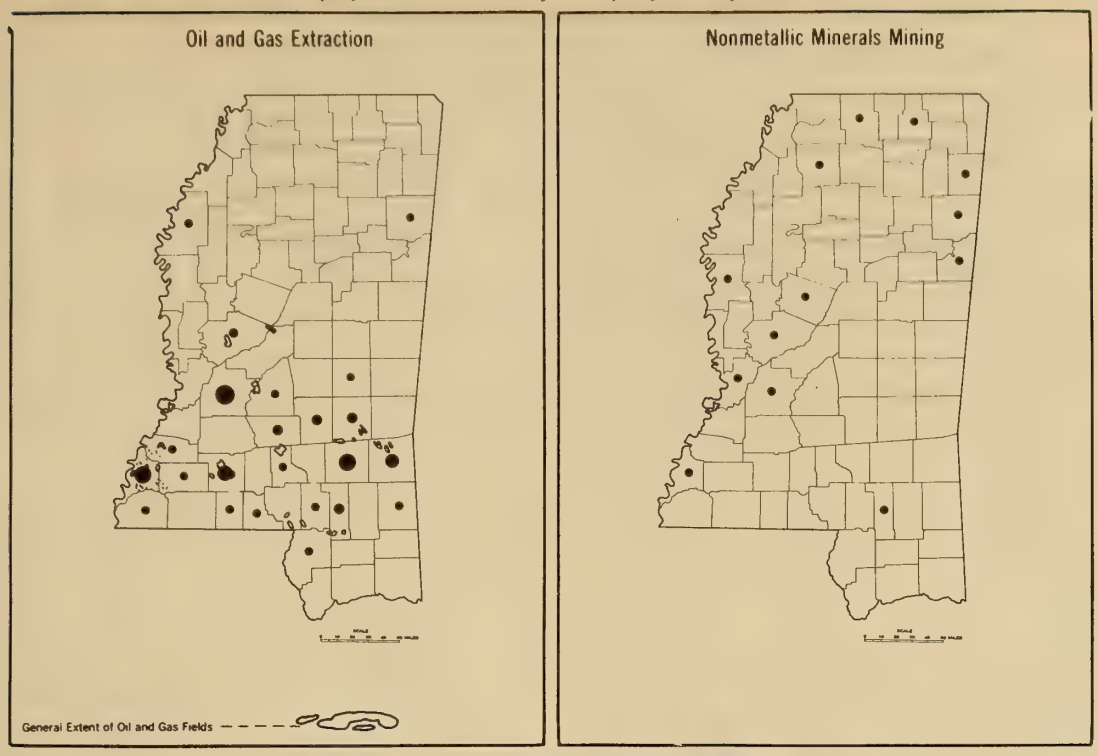
RANK AMONG STATES
EMPLOYMENT - 27
VALUE OF SHIPMENTS - 20



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN MISSISSIPPI

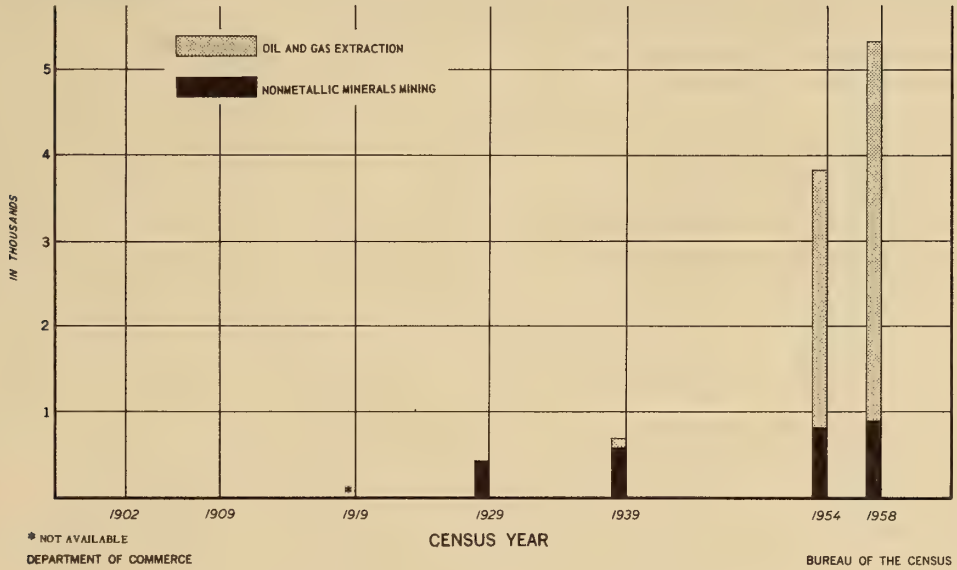
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MISSISSIPPI



* NOT AVAILABLE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	255	64	5,302	26,551	4,126	8,790	18,958	135,339	30,248	15,406	28,392	11,135	188,013	32,507	4,531	1,098
1954	214	51	3,793	15,557	3,076	6,316	11,620	94,282	[3]18,642	([3])	19,086	11,272	120,233	23,049	3,970	1,291
Including operations in manufactures:																
All operations:																
1958	269	64	5,346	26,687	4,170	8,872	19,094	136,231	[4]30,502	15,406	[4]28,392	[5]11,135	189,159	[5]32,507	[5]4,531	1,087
1954	226	52	3,845	15,691	3,128	6,418	11,754	94,855	[3 4]18,829	([3])	[4]19,086	[5]11,272	120,993	[5]23,049	[5]3,970	1,269
1939[6]	[7]73	(NA)	695	658	589	1,173	429	1,078	515	(NA)	546	(NA)	2,139	(NA)	184	312
Excluding oil and gas extraction industries:																
1958	71	14	897	2,989	773	1,691	2,436	9,553	[4]3,215	10	[4]308	[5]711	12,617	[5]1,180	[5]297	384
1954	61	16	820	2,309	746	1,691	2,124	7,325	[4]2,508	...	[4]453	[5]872	10,295	[5]863	[5]219	294
1939	[7]45	(NA)	572	445	510	1,040	303	1,097	322	(NA)	8	(NA)	1,427	(NA)	66	129
1929[8]	13	(NA)	414	445	362	(NA)	328	774	331	(NA)	4	81	1,109	(NA)	90	249

NA Not available.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants.

[2]For crushed and broken stone and clay mining operations in manufacturing establishments includes the estimated value of minerals produced and used in the same establishment. For 1958 and 1954, represents gross value of shipments and contains duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For 1939 and 1929, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]For crushed and broken stone and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone and clay mining operations in manufacturing establishments.

[6]Excludes data for 2 oil and gas field services establishments.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]All figures except number of establishments include data for one limestone quarry in Louisiana. Excludes data for common clay and shale operations; in 1939, there were 6 such pits with products valued at $34 thousand.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	269	64	5,346	26,687	4,170	8,872	19,094	136,231	[1]85,435	[2]189,159	(NA)	3,845	94,855
	Mineral industries	255	64	5,302	26,551	4,126	8,790	18,958	135,339	85,181	188,013	32,507	3,793	94,282
	Included in manufactures	14	...	[2]44	[2]136	[2]44	82	136	892	[1]254	[2]1,146	(NA)	[2]52	573
13	Oil and gas extraction	198	50	4,449	23,698	3,397	7,181	16,658	126,678	81,191	176,542	31,327	3,025	87,530
1311	Crude petroleum and natural gas	126	22	2,071	12,896	1,285	2,551	7,509	107,714	52,136	131,909	27,941	1,629	76,874
	Crude petroleum	117	20	1,972	12,237	1,233	2,442	7,228	99,041	50,175	122,146	27,070	1,569	73,913
	Natural gas	9	2	99	659	52	109	281	8,673	1,961	9,763	871	60	2,961
1321	Natural gas liquids	3	1	57	359	50	93	308	988	15,659	16,491	156	56	1,604
138	Oil and gas field services	69	27	2,321	10,443	2,062	4,537	8,841	17,976	13,396	28,142	3,230	1,340	9,052
1381	Drilling oil and gas wells	23	13	865	4,643	736	1,692	3,788	10,398	10,060	18,310	2,148	884	6,672
1382	Oil and gas exploration services	13	4	847	3,781	775	1,685	3,166	3,573	1,464	4,357	680	456	2,380
1389	Oil and gas field services, nec	33	10	609	2,019	551	1,160	1,887	4,005	1,872	5,475	402		
	Nonmetallic minerals mining	71	14	897	2,989	773	1,691	2,436	9,553	[1]4,244	[2]12,617	(NA)	820	7,325
14	Mineral industries	57	14	853	2,853	729	1,609	2,300	8,661	3,990	11,471	1,180	768	6,752
	Included in manufactures	14	...	[2]44	[2]136	[2]44	82	136	892	[1]254	[2]1,146	(NA)	[2]52	573
1441	Sand and gravel	45	10	666	2,293	567	1,302	1,866	5,942	3,205	8,033	1,114	542	3,880
	Clay and related minerals:													
145	Mineral industries	9	3	163	484	139	264	361	2,592	688	3,236	44	(NA)	(NA)
1452	Bentonite	6	3	126	374	110	215	288	2,308	488	2,770	(D)	146	2,281

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]For crushed and broken stone and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[2]For crushed and broken stone and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	85,181	30,248	15,406	28,392	11,135	32,507	16,016	16,491	xxx	xxx	xxx	xxx
13	Oil and gas extraction.....	81,191	27,287	15,396	28,084	10,424	31,327	16,002	15,325	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	52,136	18,318	...	26,501	7,317	27,941	15,979	11,962	xxx	129,136	xxx	2,058
	Crude petroleum.....	50,175	17,674	...	25,346	7,155	27,070	15,372	11,698	[3]37,386	104,360	[3]1,582	4,494
	Natural gas.....	1,961	644	...	1,155	162	871	607	264	[4]51,180	7,212	[4]97,490	15,128
1321	Natural gas liquids.....	15,659	131	15,396	7	125	156	...	156	[5]740	[5]1,867	...	...
138	Oil and gas field services.....	13,396	8,838	...	1,576	2,982	3,230	23	3,207	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	10,060	6,697	...	1,435	1,928	2,148	23	2,125	xxx	[6]18,841	xxx	([6])
1382	Oil and gas exploration services.....	1,464	798	...	62	604	680	...	680	xxx	[6]3,714	xxx	([6])
1384	Oil and gas field services, nec.....	1,872	1,343	...	79	450	402	...	402	xxx	[6]6,080	xxx	([6])
14	Nonmetallic minerals mining.....	3,990	2,961	10	308	711	1,180	14	1,166	xxx	xxx	xxx	xxx
1441	Sand and gravel.....	3,205	(D)	(D)	198	618	1,114	14	1,100	6,915	[6]7,070	[7]126	([6])

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation. For service industries, represents receipts for primary services.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[4]Represents millions of cubic feet of natural gas shipped.

[5]Represents net shipments of natural gas liquids only. Quantity figures are in thousands of barrels.

[6]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[7]Includes a small tonnage of sand and gravel transferred for preparation within the Sand and Gravel Industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	185	172	131	...	10	121	37	...	27	10	4	13
	Number of employees	[3]2,981	[3]2,956	2,149	...	79	2,070	(D)	...	517	(D)	(D)	25
	Value added in mining, $1,000	[3]117,363	[3]117,734	109,269	...	907	108,362	(D)	...	5,421	(D)	(D)	([4])
13	Oil and gas extraction:												
	Number of establishments	129	116	113	...	...	113	...	...	...	...	3	13
	Number of employees	2,128	2,103	2,046	...	...	2,046	...	...	...	...	57	25
	Value added in mining, $1,000	108,702	109,073	108,085	...	...	108,085	...	...	...	...	988	([4])
14	Nonmetallic minerals mining:												
	Number of establishments	56	56	18	...	10	8	37	...	27	10	1	...
	Number of employees	[3]853	[3]853	103	...	79	24	(D)	...	517	(D)	(D)	...
	Value added in mining, $1,000	[3]8,661	[3]8,661	1,184	...	907	277	(D)	...	5,421	(D)	(D)	...
144	Sand and gravel:												
	Number of establishments	45	45	15	...	7	8	29	...	19	10	1	...
	Number of employees	666	666	76	...	52	24	(D)	...	378	(D)	(D)	...
	Value added in mining, $1,000	5,942	5,942	774	...	497	277	(D)	...	3,229	(D)	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 7 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for one nonmetallic minerals services establishment.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MISSISSIPPI:													
	All mineral operations	269	64	5,346	26,687	4,170	8,872	19,094	136,231	[3]85,435	189,159	(NA)	3,845	94,855
	Mineral industries	255	64	5,302	26,551	4,126	8,790	18,958	135,339	85,181	188,013	32,507	3,793	94,282
	Included in manufactures	14	...	[4]44	[4]136	[4]44	82	136	892	[3]254	1,146	(NA)	[4]52	573
	COUNTIES													
	Adams	61	9	631	3,209	(NA)	(NA)	(NA)	(NA)	(NA)	21,268	(NA)	[5]445	(NA)
131	Crude petroleum and natural gas	35	2	239	1,488	(NA)	(NA)	(NA)	(NA)	(NA)	14,672	(NA)	314	(NA)
	Copiah	3	...	33	89	(NA)	(NA)	(NA)	(NA)	(NA)	179	(NA)	65	497
13	Covington	4	...	4	18	(NA)	(NA)	(NA)	(NA)	(NA)	100	(NA)	(NA)	(NA)
	Forrest (mineral industries only)	27	4	273	1,474	(NA)	(NA)	(NA)	(NA)	(NA)	8,396	(NA)	[5]99	(NA)
131	Crude petroleum and natural gas	11	3	151	940	(NA)	(NA)	(NA)	(NA)	(NA)	6,517	(NA)	99	(NA)
13	Franklin	20	1	71	364	(NA)	(NA)	(NA)	(NA)	(NA)	4,023	(NA)	[5]47	(NA)
131	Crude petroleum and natural gas	15	...	26	162	(NA)	(NA)	(NA)	(NA)	(NA)	3,315	(NA)	47	(NA)
13	Greene	8	...	34	153	(NA)	(NA)	(NA)	(NA)	(NA)	303	(NA)	(NA)	(NA)
	Hancock	4	...	23	97	(NA)	(NA)	(NA)	(NA)	(NA)	968	(NA)	...	...
	Hinds (mineral industries only)	29	12	727	4,238	(NA)	(NA)	(NA)	(NA)	(NA)	8,952	(NA)	[5]283	(NA)
13	Jasper, total	36	2	214	1,188	(NA)	(NA)	(NA)	(NA)	(NA)	15,036	(NA)	[5]109	(NA)
131	Crude petroleum and natural gas	26	1	130	810	(NA)	(NA)	(NA)	(NA)	(NA)	14,005	(NA)	109	(NA)
138	Oil and gas field services	10	1	84	378	(NA)	(NA)	(NA)	(NA)	(NA)	1,031	(NA)	(NA)	(NA)
13	Jefferson	23	1	83	455	(NA)	(NA)	(NA)	(NA)	(NA)	9,690	(NA)	[5]34	(NA)
131	Crude petroleum and natural gas	17	1	47	293	(NA)	(NA)	(NA)	(NA)	(NA)	9,345	(NA)	34	(NA)
131	Jefferson Davis (crude petroleum and natural gas only)	6	...	33	206	(NA)	(NA)	(NA)	(NA)	(NA)	5,037	(NA)	(NA)	(NA)
13	Jones (mineral industries only), total	52	7	440	2,222	(NA)	(NA)	(NA)	(NA)	(NA)	13,705	(NA)	[5]24	(NA)
131	Crude petroleum and natural gas	25	3	141	878	(NA)	(NA)	(NA)	(NA)	(NA)	10,459	(NA)	24	(NA)
138	Oil and gas field services	27	4	299	1,344	(NA)	(NA)	(NA)	(NA)	(NA)	3,246	(NA)	(NA)	(NA)
	Lamar	17	...	65	334	(NA)	(NA)	(NA)	(NA)	(NA)	6,337	(NA)	[5]146	(NA)
131	Crude petroleum and natural gas	10	...	25	156	(NA)	(NA)	(NA)	(NA)	(NA)	5,665	(NA)	146	(NA)
13	Lincoln (mineral industries only)	34	5	353	1,831	(NA)	(NA)	(NA)	(NA)	(NA)	14,374	(NA)	[5]224	(NA)
131	Crude petroleum and natural gas	11	1	128	797	(NA)	(NA)	(NA)	(NA)	(NA)	9,434	(NA)	224	(NA)
14	Lowndes (mineral industries only)	3	1	48	175	43	115	147	733	304	953	84	64	343
13	Madison	9	...	15	91	(NA)	(NA)	(NA)	(NA)	(NA)	1,067	(NA)	[5]39	(NA)
13	Marion	17	...	50	267	(NA)	(NA)	(NA)	(NA)	(NA)	2,338	(NA)	[5]41	(NA)
131	Crude petroleum and natural gas	9	...	25	155	(NA)	(NA)	(NA)	(NA)	(NA)	1,762	(NA)	41	(NA)
	Marshall (including operations in manufactures)	4	1	[4]25	[4]80	[4]23	43	75	220	(D)	397	(D)	(NA)	(NA)
	Monroe (mineral industries only)	13	1	53	187	(NA)	(NA)	(NA)	(NA)	(NA)	2,691	(NA)	[5]73	(NA)
	Pearl River	20	...	54	292	(NA)	(NA)	(NA)	(NA)	(NA)	3,177	(NA)	(NA)	(NA)
13	Oil and gas extraction	16	...	44	257	(NA)	(NA)	(NA)	(NA)	(NA)	3,057	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	9	...	34	212	(NA)	(NA)	(NA)	(NA)	(NA)	2,494	(NA)	(NA)	(NA)
	Perry	8	1	42	166	(NA)	(NA)	(NA)	(NA)	(NA)	480	(NA)	(NA)	(NA)
	Pike	19	...	78	337	(NA)	(NA)	(NA)	(NA)	(NA)	2,439	(NA)	...	...
131	Crude petroleum and natural gas	4	...	6	37	(NA)	(NA)	(NA)	(NA)	(NA)	1,050	(NA)	...	...
13	Rankin (mineral industries only)	9	...	47	282	(NA)	(NA)	(NA)	(NA)	(NA)	212	(NA)	[5]30	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
13	Scott	7	...	7	31	(NA)	(NA)	(NA)	(NA)	(NA)	186	(NA)	...	...
13	Sharkey	5	...	6	32	(NA)	(NA)	(NA)	(NA)	(NA)	94	(NA)	...	...
13	Simpson	18	3	140	677	(NA)	(NA)	(NA)	(NA)	(NA)	2,967	(NA)	(NA)	(NA)
138	Oil and gas field services	12	2	112	503	(NA)	(NA)	(NA)	(NA)	(NA)	2,448	(NA)	(NA)	(NA)
	Smith	20	2	167	819	(NA)	(NA)	(NA)	(NA)	(NA)	7,703	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	6	1	46	286	(NA)	(NA)	(NA)	(NA)	(NA)	4,727	(NA)	(NA)	(NA)
13	Stone	5	1	21	129	(NA)	(NA)	(NA)	(NA)	(NA)	134	(NA)	...	...
13	Walthall	8	...	28	148	(NA)	(NA)	(NA)	(NA)	(NA)	715	(NA)	...	...
14	Washington	5	1	54	247	48	133	217	966	391	911	446	(NA)	(NA)
13	Wayne, total	35	5	286	1,582	(NA)	(NA)	(NA)	(NA)	(NA)	13,709	(NA)	[5]119	(NA)
131	Crude petroleum and natural gas	21	3	171	1,065	(NA)	(NA)	(NA)	(NA)	(NA)	11,615	(NA)	119	(NA)
138	Oil and gas field services	14	2	115	517	(NA)	(NA)	(NA)	(NA)	(NA)	2,094	(NA)	(NA)	(NA)
13	Wilkinson	21	1	87	483	(NA)	(NA)	(NA)	(NA)	(NA)	2,540	(NA)	[5]11	(NA)
131	Crude petroleum and natural gas	15	1	53	330	(NA)	(NA)	(NA)	(NA)	(NA)	2,228	(NA)	11	(NA)
	Yazoo	30	3	184	847	(NA)	(NA)	(NA)	(NA)	(NA)	21,589	(NA)	[5]154	(NA)
13	Oil and gas extraction	28	2	134	676	(NA)	(NA)	(NA)	(NA)	(NA)	10,830	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	18	...	42	262	(NA)	(NA)	(NA)	(NA)	(NA)	10,083	(NA)	(NA)	(NA)
13	Undistributed (oil and gas extraction), total	60	9	273	1,193	(NA)	(NA)	(NA)	(NA)	(NA)	10,560	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	14	...	31	129	(NA)	(NA)	(NA)	(NA)	(NA)	7,964	(NA)	(NA)	(NA)
138	Oil and gas field services	46	9	242	1,064	(NA)	(NA)	(NA)	(NA)	(NA)	2,596	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[2]For crushed and broken stone and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[3]For crushed and broken stone and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 2.
[5]Excludes data for Oil and Gas Field Services Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Mississippi, total..	269	255	14	...	...	...	...	...	...	...	...	...	...	126	3	69	...	...	2	1	45	...	9	13	...	1	...	...
No employees.....	28	25	3	...	...	...	...	...	...	...	...	...	...	22	...	1	...	...	...	...	2	...	...	3	...	...	...	...
0-4 employees.....	99	91	8	...	...	...	...	...	...	...	...	...	...	53	...	16	...	...	2	...	19	...	1	8	...	...	...	...
5-9 employees.....	42	40	2	...	...	...	...	...	...	...	...	...	...	19	1	13	...	...	...	...	5	...	2	2	...	...	...	...
10-19 employees...	36	35	1	...	...	...	...	...	...	...	...	...	...	10	1	12	...	...	...	1	9	...	3	...	...	...	...	...
20-49 employees...	36	36	...	...	...	...	...	...	...	...	...	...	...	12	1	13	...	...	...	...	7	...	2	...	...	1	...	...
50-99 employees...	18	18	...	...	...	...	...	...	...	...	...	...	...	5	...	9	...	...	...	...	3	...	1	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...
250-499 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	52	52	...	...	...	...	...	...	...	...	...	...	...	33	...	18	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	2	1	5	...	...	...	...	1	...	...	...	...	...	...	...
Alcorn:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Amite:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bolivar:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Chickasaw:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Claiborne:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Clarke:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	5	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Copiah:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...
Covington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
De Soto:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Forrest:																												
0-19 employees....	24	23	1	...	...	...	...	...	...	...	...	...	...	8	...	15	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Franklin:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	15	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
George:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Greene:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Hancock:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Harrison:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Hinds:																												
0-19 employees....	19	17	2	...	...	...	...	...	...	...	...	...	...	12	...	4	...	...	...	...	1	...	...	2	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	10	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Holmes:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Issaquena:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Itawamba:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Jackson:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Jasper:																											
0-19 employees....	34	34	...	...	...	...	...	...	...	...	...	...	...	25	...	9	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	16	...	6	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson Davis:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	6	1	5	...	...	...	...	...	...	...	...	...	...	...
Jones:																											
0-19 employees....	46	45	1	...	...	...	...	...	...	...	...	...	...	22	...	23	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Kemper:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lafayette:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lamar:																											
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	10	...	6	...	...	...	...	1	...	...	...	...	...	...	...
Lauderdale:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Lawrence:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Lee:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Leflore:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	30	29	1	...	...	...	...	...	...	...	...	...	...	10	1	18	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Lowndes:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	9	...	8	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Monroe:																											
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	6	...	1	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Neshoba:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newton:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oktibbeha:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Panola:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pearl River:																											
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	...	...	9	...	7	...	...	...	...	3	...	1	...	...	...	...	...
Perry:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pike:																											
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	4	...	14	...	...	...	...	1	...	...	...	...	...	...	...
Pontotoc:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Rankin:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	...	...	4	...	5	...	...	...	1	...	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Sharkey:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Simpson:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	5	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Smith:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	5	...	11	...	...	1	...	...	...	1	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Stone:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sunflower:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Tate:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Tippah:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Tishomingo:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Walthall:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	30	30	...	...	...	...	...	...	...	...	...	...	...	18	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Wilkinson:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	...	...	14	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yazoo:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	18	...	8	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Offshore:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	51	51	...	...	...	...	...	...	...	...	...	...	...	14	...	37	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

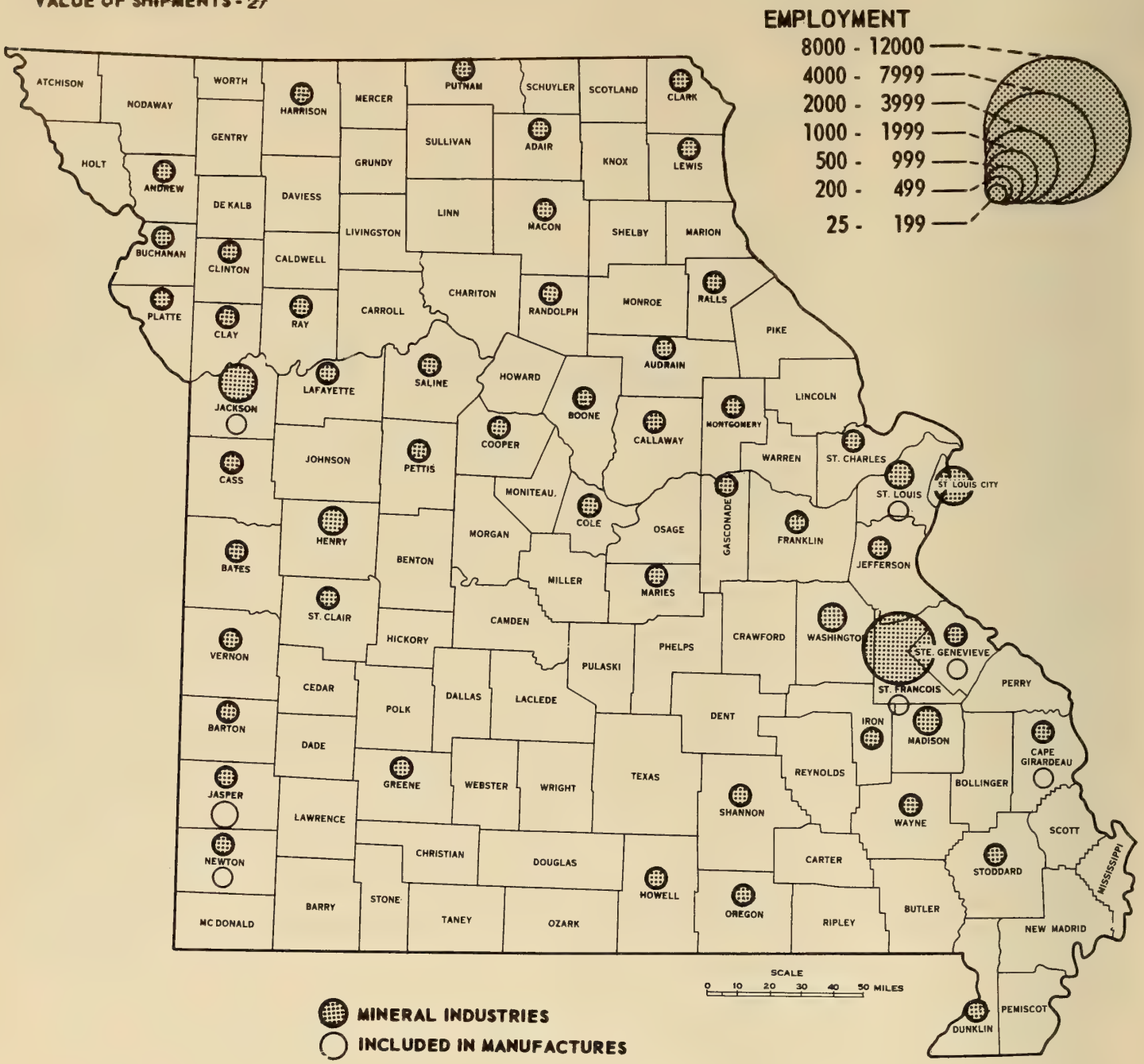
MISSOURI

22-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MISSOURI

RANK AMONG STATES
EMPLOYMENT - 24
VALUE OF SHIPMENTS - 27



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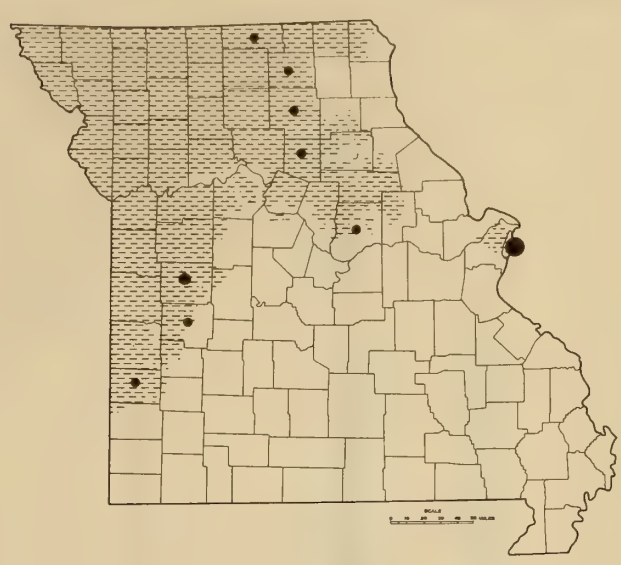
MINING IN MISSOURI

Employment For Industry Group By County: 1958

Metal Mining



Coal Mining



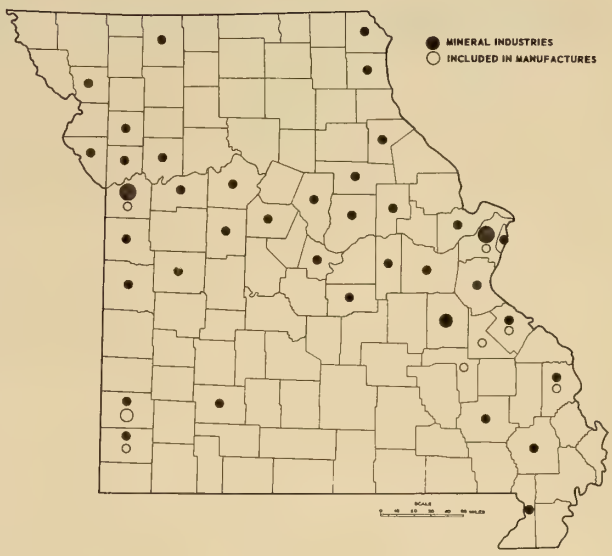
General Extent of Coal Fields

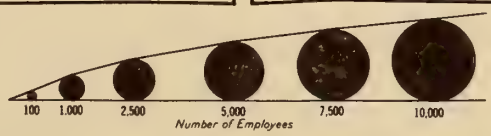
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





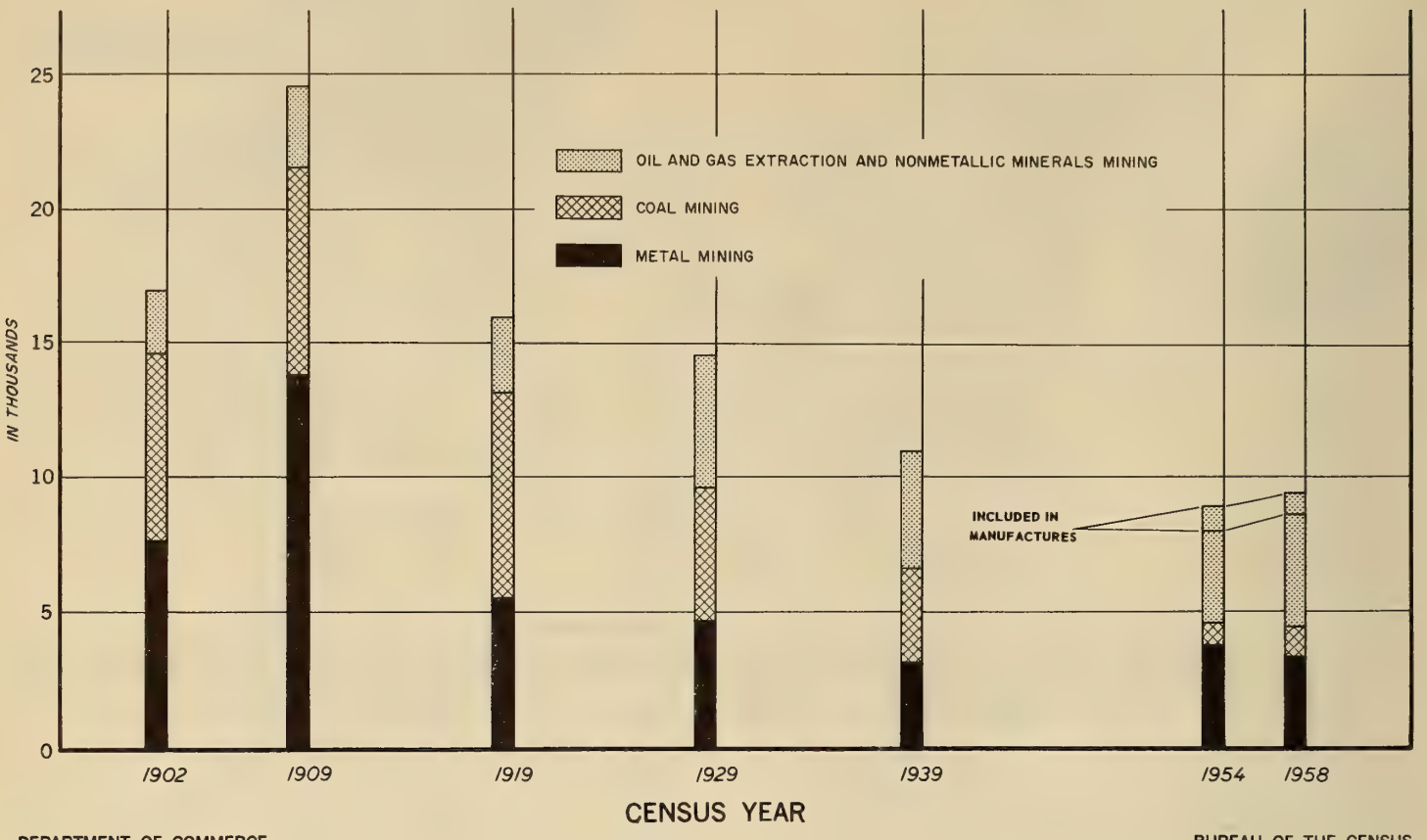
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EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MISSOURI



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	435	69	8,454	37,947	6,319	12,122	26,181	66,386	21,181	826	3,260	8,784	87,073	13,364	r1,305	r207
1954	456	74	7,965	31,060	6,697	13,461	24,371	[2]56,554	16,539	2,075	2,702	6,064	[2]78,171	5,785	1,255	187
Including operations in manufactures:																
1958	469	80	9,331	41,659	7,145	13,826	29,553	78,292	[3]26,314	([3])	[3]3,260	[4]8,881	103,286	[4]13,461	r[4]1,312	r184
1954[5]	485	83	8,854	34,490	7,548	15,419	27,621	[2]68,571	[3]18,676	2,459	[3]2,869	[4]6,160	[2]92,869	[4]5,888	[4]1,260	167
1939[6]	[7]491	(NA)	10,861	12,666	9,320	16,529	8,968	21,036	6,077	(NA)	259	(NA)	27,372	(NA)	786	84
1929[8]	416	(NA)	14,471	18,667	13,439	(NA)	16,341	37,997	9,112	(NA)	167	1,681	47,276	(NA)	2,149	160
1919[9]	468	(NA)	15,861	18,641	14,857	(NA)	16,777	26,130	6,819	1	416	(NA)	33,366	(NA)	[10]3,805	256
1909[9]	1,068	(NA)	24,531	15,718	23,516	(NA)	14,436	22,914	6,985	1,472	297	(NA)	31,668	(NA)	(NA)	(NA)
1902[11]	[7]1,060	(NA)	16,876	10,044	[12]15,418	(NA)	8,800	17,219	2,881	(NA)	185	(NA)	20,285	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, and for dimension stone mining operations in manufactures in 1958, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, the figure for the cost of minerals received for preparation is combined with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Includes data for one tripoli mine in Oklahoma. Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing marble at such operations was $108 thousand; this value has been included in the value of shipments and value added in mining. The comparable values for limestone and granite are not available.

[7]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for oil and gas extraction and for common clay and shale operations. There were 17 such clay pits in 1939, with products valued at $123 thousand, and operations in the crude petroleum and natural gas industries, with products valued at $59 thousand.

[9]Excludes data for sand, gravel, common clay, and shale operations and for stone quarries operated as parts of cement and lime plants. For 1929, there were 32 such sand and gravel establishments, with products valued at $3,517 thousand; 3 such glass and moulding sand establishments; and 12 such stone operations with products valued at $2,055 thousand.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 10 percent of the total kwh equivalent of energy used.

[11]Excludes data for sand, gravel, common clay, and shale operations. Includes data for one cement plant and for lime plants producing lime valued at $516 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	469	80	9,331	41,659	7,145	13,826	29,553	78,292	[2]38,455	[3]103,286	[4]13,461	8,854	[5]68,571
	Mineral industries	435	69	8,454	37,947	6,319	12,122	26,181	66,386	34,051	87,073	13,364	7,965	[5]56,554
	Included in manufactures	34	11	[6]877	[6]3,712	[6]826	1,704	3,372	11,906	[2]4,404	[3]16,213	[4]97	[6]889	12,017
10	Metal mining	48	7	3,259	14,284	2,680	4,922	11,355	20,958	11,299	27,809	4,448	3,668	[5]24,094
1031	Lead and zinc ores	8	4	2,852	12,256	2,307	4,208	9,566	17,725	8,031	23,381	2,375	3,451	22,708
12	Bituminous coal mining	51	10	1,204	6,757	583	1,097	3,198	9,832	5,540	11,939	3,433	856	7,650
13, 14	Oil and gas extraction and Nonmetallic minerals mining	370	62	4,868	20,618	3,882	7,807	15,000	47,502	[2]21,616	[3]63,538	[4]5,580	4,330	36,827
	Mineral industries	336	51	3,991	16,906	3,056	6,103	11,628	35,596	17,212	47,325	5,483	3,441	24,810
	Included in manufactures	34	11	[6]877	[6]3,712	[6]826	1,704	3,372	11,906	[2]4,404	[3]16,213	[4]97	[6]889	12,017
	Dimension stone	13	2	464	1,726	401	852	1,324	2,457	1,714	4,067	104	416	1,918
1411	Mineral industry	9	...	54	175	42	79	113	176	50	219	7	416	1,918
	Included in manufactures	4	2	410	1,551	359	773	1,211	2,281	1,664	3,848	97		
	Crushed and broken stone	156	40	2,350	10,068	2,036	4,129	8,352	26,963	[2]12,678	[3]35,953	(NA)	2,281	21,156
1421	Mineral industry	146	31	1,966	8,299	1,652	3,361	6,583	18,725	10,469	25,506	3,688	1,790	12,710
	Included in manufactures	10	9	[6]384	[6]1,769	[6]384	768	1,769	8,238	[2]2,209	[3]10,447	(NA)	[6]491	8,446
	Crushed and broken limestone (mineral subindustry only)	135	31	1,862	8,076	1,564	3,241	6,379	18,110	10,020	24,590	3,540	1,779	12,565
	Crushed and broken stone, nec (mineral subindustry)	11	...	104	223	88	120	204	615	449	916	148	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	84	13	788	3,085	675	1,332	2,468	6,307	3,162	8,573	896	778	6,629
145	Clay and related minerals (mineral industries only)	50	4	361	1,375	323	604	1,220	4,161	2,127	5,920	368	(NA)	(NA)
	Fire clay (including operations in manufactures)	47	3	[6]318	[6]1,172	[6]286	510	1,049	4,424	[2]1,673	[3]5,773	[4]324	[6]264	3,147
	Clay and related minerals, nec (including operations in manufactures)	17	1	[6]104	[6]515	[6]98	216	483	991	[2]914	[3]1,863	[4]42	[6]109	1,420

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used at the same establishment.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	34,051	21,181	826	3,260	8,784	13,364	1,872	11,492	xxx	xxx	xxx	xxx
10	Metal mining.....	11,299	[3]8,206	([3])	1,525	1,568	4,448	1,660	2,788	xxx	xxx	xxx	xxx
1031	Lead and zinc ores.....	8,031	6,125	...	1,075	831	2,375	1,243	1,132	[4]5,929	[5]23,083	(NA)	([5])
12	Bituminous coal mining:												
1211	Bituminous coal.....	5,540	[3]2,702	([3])	31	2,807	3,433	8	3,425	[6]2,619	(D)	...	...
13 14	Oil and gas extraction and Nonmetallic minerals mining.....	17,212	[3]11,099	([3])	1,704	4,409	5,483	204	5,279	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	10,469	6,529	...	678	3,262	3,688	88	3,600	17,594	24,524	[7]6,960	[7]11,486
	Crushed and broken limestone.	10,020	6,206	...	670	3,144	3,540	70	3,470	16,885	23,671	[7]6,979	[7]11,439
1441	Sand and gravel.....	3,162	[3]1,916	([3])	434	812	896	20	876	7,235	[5]8,623	[7]553	([5])
145	Clay and related minerals.....	2,127	1,719	...	212	196	368	75	293	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents crude ore mined in the specified industry.
[5]Figures for the value of primary products shipped by establishments classified in other industries are combined with those for the value of primary products shipped by establishments classified in the specified industry. For sand and gravel, includes the estimated value of materials produced and used in the same manufacturing establishment.
[6]Represents net production.
[7]Includes minerals produced and used in the same manufacturing establishment. The value of such minerals was estimated.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	413	395	149	17	116	16	245	16	185	44	1	18
	Number of employees	8,361	8,269	(D)	(D)	609	431	7,171	3,166	3,348	657	(D)	92
	Value added in mining, $1,000	65,375	66,203	(D)	(D)	6,527	234	59,162	22,460	31,758	4,944	(D)	(3)
10	Metal mining:												
	Number of establishments	41	31	15	1	14	...	16	4	11	1	...	10
	Number of employees	3,218	3,143	53	(D)	(D)	...	3,090	(D)	80	(D)	...	75
	Value added in mining, $1,000	20,625	21,380	347	(D)	(D)	...	21,033	(D)	796	(D)	...	(3)
1031	Lead and zinc ores:												
	Number of establishments	8	5	1	1	...	...	4	3	...	1	...	3
	Number of employees	2,852	2,845	(D)	(D)	...	...	(D)	(D)	...	(D)	...	7
	Value added in mining, $1,000	17,725	17,726	(D)	(D)	...	...	(D)	(D)	...	(D)	...	(3)
1211	Bituminous coal:												
	Number of establishments	51	51	33	16	17	...	17	6	11	...	1	...
	Number of employees	1,204	1,204	88	(D)	(D)	...	(D)	(D)	1,008	...	(D)	...
	Value added in mining, $1,000	9,832	9,832	747	(D)	(D)	...	(D)	(D)	8,722	...	(D)	...
13 and 14	Oil and gas extraction and Nonmetallic minerals mining:												
	Number of establishments	321	313	101	...	85	16	212	6	163	43	...	8
	Number of employees	3,939	3,922	950	...	519	431	(D)	178	2,260	(D)	...	17
	Value added in mining, $1,000	34,918	34,991	5,825	...	5,591	234	(D)	2,271	22,240	(D)	...	(3)
1421	Crushed and broken stone:												
	Number of establishments	146	144	17	...	17	...	127	6	115	6	...	2
	Number of employees	1,966	(D)	168	...	168	...	(D)	178	(D)	186	...	(D)
	Value added in mining, $1,000	18,725	(D)	1,453	...	1,453	...	(D)	2,271	(D)	1,808	...	(D)
	Crushed and broken limestone:												
	Number of establishments	135	135	14	...	14	...	121	6	109	6	...	...
	Number of employees	1,862	1,862	132	...	132	...	1,730	178	1,366	186	...	...
	Value added in mining, $1,000	18,110	18,110	1,248	...	1,248	...	16,862	2,271	12,783	1,808	...	...
144	Sand and gravel:												
	Number of establishments	84	84	18	...	9	9	66	...	29	37	...	...
	Number of employees	788	788	30	...	16	14	(D)	...	410	(D)	...	...
	Value added in mining, $1,000	6,307	6,307	287	...	153	134	(D)	...	3,173	(D)	...	...
145	Clay and related minerals:												
	Number of establishments	50	50	48	...	48	...	2	...	2	...	...	...
	Number of employees	361	361	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	4,161	4,161	(D)	...	(D)	...	(D)	...	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 8 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MISSOURI:													
	All mineral operations	469	80	9,331	41,659	7,145	13,826	29,553	78,292	[3]38,455	[4]103,286	[5]13,461	8,854	[6]68,571
	Mineral industries	435	69	8,454	37,947	6,319	12,122	26,181	66,386	34,051	87,073	13,364	7,965	[6]56,554
	Included in manufactures	34	11	[7]877	[7]3,712	[7]826	1,704	3,372	11,906	[3]4,404	[4]16,213	[5]97	[7]889	12,017
	COUNTIES													
	Adair	3	3	72	229	67	134	205	460	(D)	532	(D)	[8]75	[8]242
13	Atchison	3	...	4	18	(NA)	(NA)	(NA)	(NA)	(NA)	49	(NA)	(NA)	(NA)
14	Audrain (mineral industries only)	7	...	43	154	35	67	117	361	257	532	86	[9]32	[9]1,409
14	Benton	3	...	10	24	9	11	22	23	54	68	9	(NA)	(NA)
	Boone (mineral industries only)	8	1	58	227	49	104	177	(NA)	(NA)	819	(NA)	70	497
	Buchanan (mineral industries only)	4	...	25	107	19	43	74	196	111	225	82	33	235
14	Butler	5	...	3	5	3	3	5	27	43	31	39	(NA)	(NA)
	Callaway	11	3	167	791	143	293	667	1,964	828	2,592	200	135	1,040
14	Cape Girardeau (mineral industries only)	4	1	65	238	57	125	201	464	166	560	70	63	325
	Cass (mineral industries only)	5	...	25	122	23	42	116	265	75	333	7	26	268
	Clark	3	...	32	117	25	55	103	187	(D)	426	(D)	(NA)	(NA)
	Cole	6	...	25	91	(NA)	(NA)	(NA)	(NA)	(NA)	299	(NA)	[10]18	[10]82
	Crawford	5	...	15	55	14	26	54	110	42	145	7	(NA)	(NA)
144	Douglas	3	...	11	39	9	11	32	132	106	231	7	(NA)	(NA)
14	Franklin (mineral industries only)	11	1	62	218	55	101	194	496	283	720	59	105	691
14	Gasconade	14	2	104	418	96	184	385	1,470	603	1,982	91	104	546
	Greene (mineral industries only)	8	1	77	385	67	157	306	924	514	1,191	247	[9]87	[9]781
	Harrison	4	...	40	105	37	54	89	164	110	183	91	35	146
	Howell	14	...	48	193	42	111	168	417	183	544	56	(NA)	(NA)
	Iron (mineral industries only)	3	...	11	49	11	20	49	66	78	142	2	(NA)	(NA)
	Jackson, total	16	9	818	4,328	364	705	1,629	4,411	[3]2,169	[4]6,269	(NA)	(NA)	(NA)
14	Mineral industries only	11	8	761	4,051	307	589	1,352	3,924	1,635	5,248	311	210	1,647
	Included in manufactures	5	1	[7]57	[7]277	[7]57	116	277	487	[3]534	[4]1,021	(NA)	(NA)	(NA)
	Jasper (mineral industries only)	5	2	144	394	122	228	287	573	326	862	37	396	1,889
	Jefferson	11	...	66	298	55	112	264	713	297	862	148	89	695
14	Laclede	4	...	10	17	9	11	16	68	26	74	20	(NA)	(NA)
	Lafayette	10	...	44	168	36	65	140	300	155	396	59	[10]87	[10]370
14	Lincoln	4	...	15	62	11	27	44	240	29	259	10	32	219
14	Livingston (mineral industries only)	4	...	12	35	11	22	30	114	50	150	14	58	206
	Madison	6	2	348	1,375	252	479	1,113	1,444	959	2,255	148	411	2,739
14	Maries	8	1	53	144	49	121	141	713	162	809	66	(NA)	(NA)
14	Miller	3	...	10	14	9	8	13	42	2	44	...	(NA)	(NA)
14	Monroe	5	...	13	36	11	24	31	196	(D)	224	(D)	23	157

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
14	Montgomery	9	...	54	212	51	90	198	523	455	827	151	44	451
14	Osage	6	...	24	73	23	41	70	318	139	419	38	13	77
	Phelps	5	...	22	85	21	43	82	183	(D)	233	(D)	42	306
	Randolph	6	1	71	180	63	104	144	237	152	365	24	176	2,859
	Ray	6	2	121	353	60	141	169	680	285	927	38	50	248
14	St. Charles	5	2	91	409	76	152	264	627	532	946	213	85	709
	St. Francois (including operation in manufactures)	5	3	[7]2,609	[7]11,636	[7]2,164	3,955	9,180	17,488	[3]7,189	[4]22,156	[5]2,521	[7]2,973	20,553
	St. Louis (mineral industries only)	37	10	476	2,694	(NA)	(NA)	(NA)	(NA)	(NA)	6,373	(NA)	[11]330	(NA)
142	Crushed and broken stone (mineral industry only)	8	4	210	1,255	173	359	944	2,482	1,377	3,188	671	(NA)	(NA)
144	Sand and gravel	13	6	225	1,123	187	343	848	2,235	936	2,939	232	132	1,811
	St. Louis City	5	1	75	385	(NA)	(NA)	(NA)	(NA)	(NA)	947	(NA)	[11]371	(NA)
14	Ste. Genevieve (mineral industries only)	4	...	28	84	24	49	78	157	43	188	12	41	209
144	Stoddard	3	1	30	74	25	41	59	136	(D)	164	(D)	28	135
	Vernon	8	...	45	198	40	61	145	477	295	604	168	[11]18	(NA)
14	Warren	4	...	13	29	12	12	28	99	(D)	107	(D)	(NA)	(NA)
	Washington	21	5	476	2,010	420	859	1,718	5,537	3,218	7,394	1,361	475	3,215
	Wayne	6	...	44	96	37	61	76	479	(D)	424	(D)	26	94

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were required to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field and other mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]See table 2A, footnote 6.
[8]Represents the Bituminous Coal Industry only.
[9]Includes operations in manufactures.
[10]Represents mineral industries only.
[11]Excludes data for the Oil and Gas Field Services Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Missouri, total.....	469	435	34	29	1	8	...	...	1	7	2	51	...	10	...	8	9	4	146	10	84	4	50	16	20	7	2	...
No employees.....	29	27	2	2	...	...	...	...	...	...	...	11	...	3	...	...	...	...	...	...	6	1	5	1	...	...	...	...
1-4 employees.....	189	178	11	16	...	3	...	...	1	5	2	16	...	7	...	6	5	...	46	...	41	1	18	10	8	4	...	...
5-9 employees.....	100	95	5	5	1	1	...	...	...	1	...	11	...	...	...	2	3	1	34	...	14	1	17	3	4	2	...	...
10-19 employees...	71	66	5	3	...	...	...	...	...	1	...	3	...	...	...	...	1	1	35	1	10	1	6	2	5	1	1	...
20-49 employees...	56	47	9	1	...	...	...	...	...	...	...	3	...	...	...	...	...	1	27	8	12	...	3	...	...	...	1	...
50-99 employees...	15	15	...	1	...	...	...	...	...	...	...	6	...	...	...	...	...	...	4	...	...	...	1	...	3	...	...	...
100-249 employees.	7	6	1	1	...	3	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
250-499 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adair:																												
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Andrew:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Atchison:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Audrain:																												
0-19 employees....	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	3	2	...	1	...	...
Barry:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Barton:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bates:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...
Boone:																												
0-19 employees....	9	7	2	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	3	...	1	...	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Buchanan:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	1	1	...	...	...	...	...	...
Butler:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...
Caldwell:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Callaway:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	7	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Camden:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cape Girardeau:																												
0-19 employees....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	3	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Carter:																												
0-19 employees....	2	2	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	4	...	...	...	...	1	...	...	...	...
Cedar:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Chariton:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Christian:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Clark:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Clay:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Clinton:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Cole:																											
0-19 employees....	6	6	...	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	3	...	...	...	...	...	...
Cooper:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Crawford:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Dade:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Daviess:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Dent:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Douglas:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
Dunklin:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Franklin:																											
0-19 employees....	11	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	4	1	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Gasconade:																											
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	2	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Gentry:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Greene:																											
0-19 employees....	7	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	2	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Grundy:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Harrison:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...
Henry:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hickory:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Holt:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Howard:																											
0-19 employees....	5	5	...	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
Howell:																											
0-19 employees....	14	14	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
Iron:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	7	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	1	...	2	...	...	...
20-99 employees...	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	1	1	...	...	...	...	...	...
Jasper:																											
0-19 employees....	3	3	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
250 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Jefferson:																											
0-19 employees....	11	11	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	5	...	...	...	1	...	...	...
Johnson:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...
Knox:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Laclede:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
Lafayette:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	2	...	3	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Lewis:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...
Linn:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Livingston:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...
McDonald:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Macon:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maries:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	4	...	...	2	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Marion:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...
Mercer:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Miller:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...
Moniteau:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	2	...	...	...	...	...
Montgomery:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	6	...	...	1	...	...
Morgan:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
New Madrid:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Newton:																											
0-19 employees....	3	3	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...
Nodaway:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oregon:																											
0-19 employees....	4	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Osage:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	2	...	...
Pemiscot:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Perry:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Pettis:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Phelps:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...
Pike:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Platte:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Pulaski:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Putnam:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ralls:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Randolph:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ray:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Reynolds:																											
0-19 employees....	3	3	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Ripley:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
St. Charles:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
St. Clair:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Francois:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Louis:																											
0-19 employees....	31	27	4	...	...	...	...	...	...	...	1	...	...	7	...	7	...	...	4	...	7	...	1	4	...	...	...	...
20-99 employees...	12	10	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	6	...	...	...	...	...	...	...
St. Louis City:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Ste. Genevieve:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Saline:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Shannon:																											
0-19 employees....	3	3	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shelby:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Stoddard:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Sullivan:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Taney:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Texas:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																									
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																													
Vernon:																													
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	4	...	1	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...
Warren:																													
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	...	...	...	...	...
Washington:																													
0-19 employees....	16	16	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	...	12	...	...	...	...
20-99 employees...	4	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wayne:																													
0-19 employees....	6	6	...	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

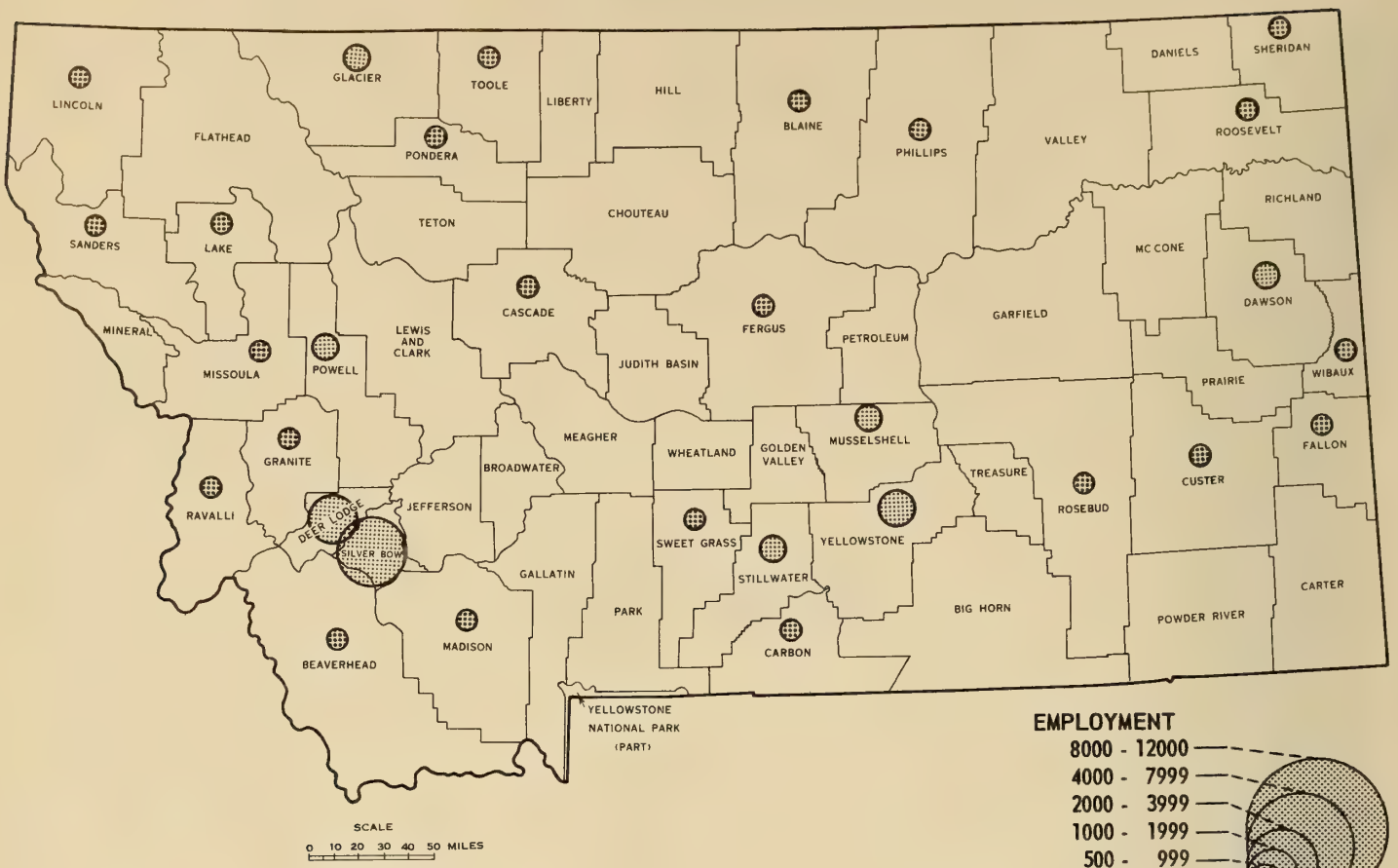
MONTANA

23-1

EMPLOYMENT IN MINING BY COUNTY: 1958

MONTANA

RANK AMONG STATES
EMPLOYMENT - 23
VALUE OF SHIPMENTS - 21



EMPLOYMENT

8000 -	12000
4000 -	7999
2000 -	3999
1000 -	1999
500 -	999
200 -	499
25 -	199

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

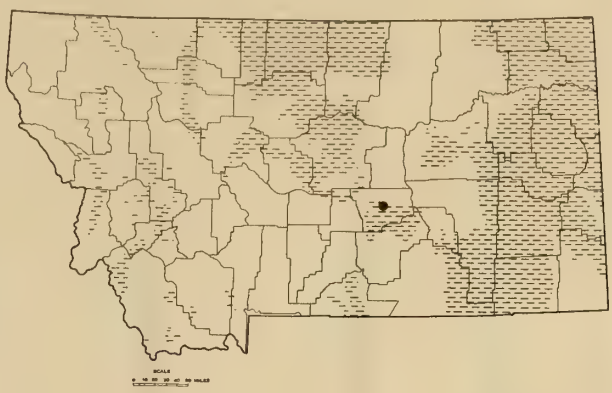
MINING IN MONTANA

Employment For Industry Group By County: 1958

Metal Mining

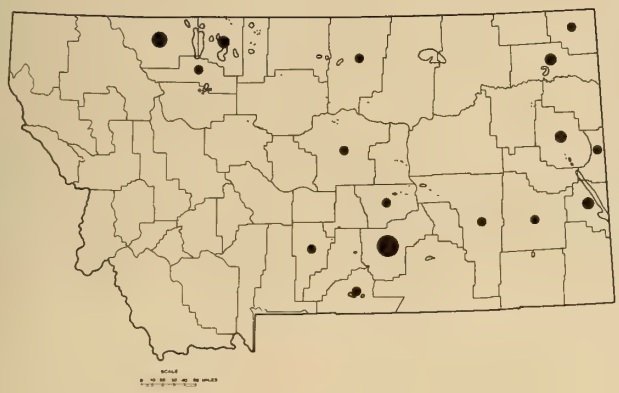


Coal Mining



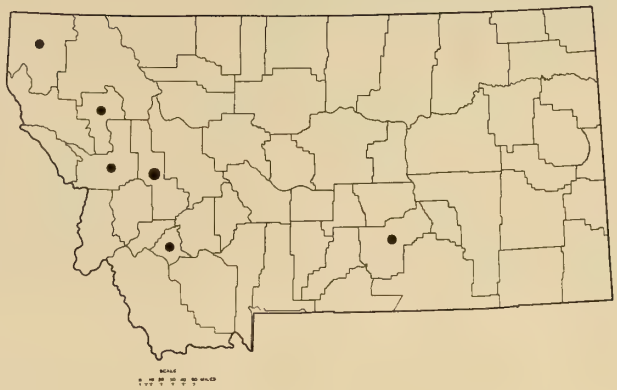
General Extent of Coal Fields

Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

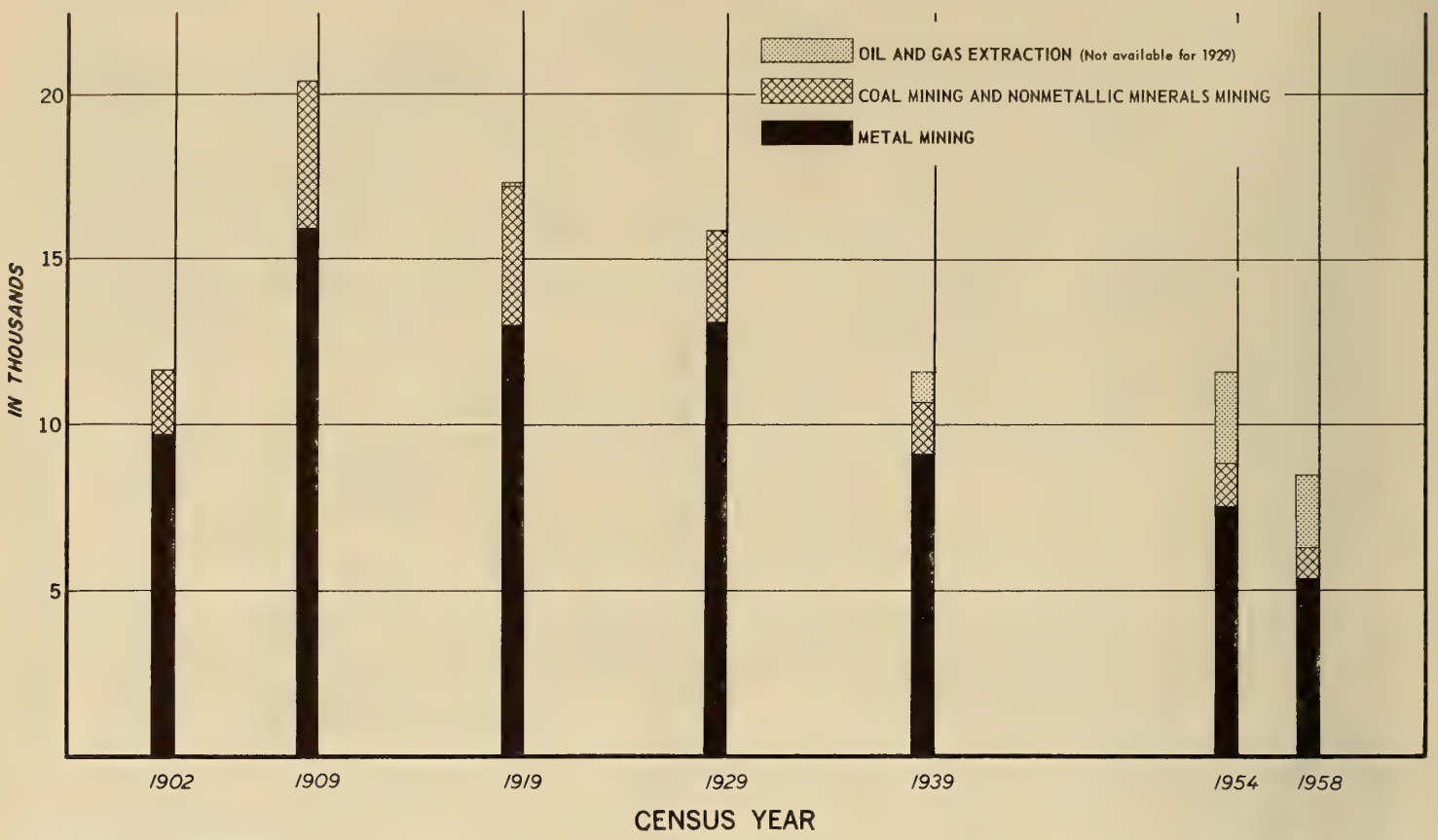




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

MONTANA



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	r440	39	r8,448	r44,116	r5,824	r10,994	r27,859	r115,932	29,674	33,014	17,631	7,466	r180,292	23,425	r2,879	r494
1954	578	55	11,568	51,624	8,899	17,406	36,839	[3]82,867	26,025	35,711	24,074	10,554	[3]147,547	31,680	2,504	281
Including operations in manufactures: All operations:																
1958	r453	39	r8,490	r44,295	r5,866	r11,073	r28,038	r116,993	[4]29,822	33,014	[4]17,631	[5]7,466	r181,501	[5]23,425	r[5]2,879	r491
1954[6]	583	56	11,605	51,764	8,936	17,478	36,979	[3]83,942	[4]26,150	35,711	[4]24,074	[5]10,554	[3]148,747	[5]31,680	[5]2,504	280
1939[7]	[8]499	(NA)	11,599	17,722	10,291	19,862	14,701	34,865	9,253	(NA)	583	(NA)	44,701	(NA)	1,237	120
1919[9]	295	(NA)	17,368	28,724	16,392	(NA)	26,164	37,040	12,689	62	133	(NA)	49,924	(NA)	[10]2,822	172
1909[9]	647	(NA)	20,451	23,690	19,570	(NA)	22,167	27,498	20,430	6,560	504	(NA)	54,992	(NA)	(NA)	(NA)
1902[11]	[8]410	(NA)	11,707	13,401	[12]11,059	(NA)	12,405	22,852	5,283	(NA)	130	(NA)	28,265	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	221	19	6,300	31,162	4,598	8,509	21,339	46,754	[13]16,548	[14]32,161	[4]2,184	[5]2,341	93,904	[5]6,084	[5]1,349	r293
1954[6]	291	27	8,864	38,641	7,049	13,324	28,587	[3]51,096	[4]15,408	35,560	[4]3,819	[5]4,241	[3]103,012	[5]7,108	[5]1,256	178
1939[7]	[8]305	(NA)	10,637	16,348	9,552	18,518	13,649	28,509	8,740	(NA)	131	(NA)	37,380	(NA)	796	83
1929[15]	205	(NA)	15,896	29,528	15,044	(NA)	26,302	54,052	10,821	(NA)	310	1,374	65,183	(NA)	1,390	92
1919[16]	290	(NA)	17,320	28,652	16,354	(NA)	26,106	36,842	12,631	62	131	(NA)	49,666	(NA)	[10]2,613	160

NA Not available. rRevised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of "Minerals received for preparation." For all other years the figures represent net production and exclude this duplication.

[3]Excludes figures for the Uranium-Radium-Vanadium Ores Industry. No data on value of shipments were obtained for this industry.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 2 dimension stone quarries. For "All operations" excludes data for one or two oil and gas field hauling operations, with receipts for services amounting to less than $417 thousand; such operations were not classified in the mineral industries after 1939. For "Excluding oil and gas extraction industries" includes data for one natural gas liquids plant.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for sand and gravel operations. In 1939, there were 7 such mines with products valued at $338 thousand. See also footnote 15. Also, for 1919 and 1909, excludes data for any stone quarries operated as part of cement or lime establishments.

[10]Excludes purchased electricity. For 1939, the quantity of purchased electricity amounted to 27 percent of the total kwh equivalent of energy used; and for the operations shown for 1929, to 23 percent.

[11]Includes data for lime plants producing lime valued at $9 thousand. See also footnote 9.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Includes the cost of minerals received for preparation in the Nonmetallic Minerals Mining Industries. See also footnote 4.

[14]Represents minerals received in the Metal Mining and Bituminous Coal and Lignite Mining Industries only.

[15]Excludes data for common clay and shale operations. There were only 2 such mines in 1939.

[16]Only one nonproducing establishment was reported in the Crude Petroleum and Natural Gas Industry in 1909 and none in 1902. Hence, the figures shown above for "All operations" are essentially comparable with those shown for operations "Excluding oil and gas extraction industries." See also footnote 11.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	r453	39	r8,490	r44,295	r5,866	r11,073	r28,038	r116,993	[2]87,933	r181,501	(NA)	11,605	[4]83,942
	Mineral industries	r440	39	r8,448	r44,116	r5,824	r10,994	r27,859	r115,932	87,785	r180,292	r23,425	11,568	[4]82,867
	Included in manufactures	13	...	[3]42	[3]179	[3]42	79	179	1,061	[2]148	[3]1,209	(NA)	[3]37	1,075
10	Metal mining	118	11	5,356	26,363	3,775	6,937	17,309	34,330	48,757	78,531	4,556	7,535	[4]38,505
1021	Copper ores	8	3	3,685	17,006	2,456	4,177	10,488	20,413	34,634	52,508	2,539	(NA)	(NA)
1031	Lead and zinc ores	25	3	596	3,594	406	890	2,266	4,191	7,072	10,505	758	1,918	9,501
106	Ferroalloy ores:													
1062	Manganese ores	28	4	767	4,047	663	1,333	3,345	4,843	6,214	10,749	308	1,050	4,957
12	Bituminous coal and lignite mining	33	2	177	804	157	258	705	1,106	624	1,502	228	415	3,822
1211	Bituminous coal	18	2	146	687	129	208	600	854	315	1,148	21	338	2,906
13	Oil and gas extraction	r232	20	r2,190	r13,133	r1,268	r2,564	r6,699	r70,239	34,699	r87,597	r17,341	2,741	[5]32,846
1311	Crude petroleum and natural gas	172	14	1,597	9,882	751	1,422	4,041	63,121	31,095	77,729	16,487	1,702	23,677
	Crude petroleum	162	12	1,467	9,182	666	1,253	3,609	61,790	30,355	76,328	15,817	1,582	21,720
	Nonmetallic minerals mining	70	6	767	3,995	666	1,314	3,325	11,318	[2]3,853	[3]13,871	(NA)	914	8,769
14	Mineral industries	57	6	725	3,816	624	1,235	3,146	10,257	3,705	12,662	1,300	877	7,694
	Included in manufactures	13	...	[3]42	[3]179	[3]42	79	179	1,061	[2]148	[3]1,209	(NA)	[3]37	1,075
	Crushed and broken stone	10	...	[3]57	[3]238	[3]49	81	213	993	[2]239	[3]1,161	[6]71	[3]114	992
	Sand and gravel	39	2	[3]202	[3]1,007	[3]178	346	836	3,664	[2]946	[3]3,867	(NA)	(NA)	(NA)
1441	Mineral industry	32	2	192	968	168	327	797	3,467	932	3,656	743	215	1,337
147	Chemical and fertilizer minerals	6	3	359	2,011	308	614	1,643	4,899	2,073	6,526	446	422	3,834
149	Miscellaneous minerals, nec (Mineral industries only)	9	1	134	696	119	252	591	1,498	536	1,999	35	[7]157	[7]2,570

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas at natural gas liquids plants. However, the estimated value, prior to processing, of gas liquids contained in such gas was used in computing value added in mining.

[6]Excludes figures for mining operations in manufacturing establishments.

[7]Includes figures for one gypsum mining operation in a manufacturing establishment.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	87,785	29,674	33,014	17,631	7,466	r23,425	9,105	r14,320	xxx	xxx	xxx	xxx
10	Metal mining	48,757	13,714	32,126	1,073	1,844	4,556	323	4,233	xxx	xxx	xxx	xxx
1021	Copper ores	34,634	9,980	22,853	533	1,268	2,539	...	2,539	[3]10,107	32,987	(NA)	(D)
1031	Lead and zinc ores	7,072	[4]6,647	([4])	79	346	758	19	739	[3]322	6,671	(NA)	1,537
106	Ferroalloy ores:												
1062	Manganese ores	6,214	[4]5,710	([4])	333	171	308	36	272	[5]375	[5]9,212	([5])	([5])
12	Bituminous coal and lignite mining	624	[4]296	([4])	109	219	228	54	174	324	1,413	...	...
13	Oil and gas extraction	34,699	[4]14,127	([4])	15,447	5,125	r17,341	8,290	r9,051	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	31,095	11,312	xxx	15,035	4,748	16,487	8,281	8,206	xxx	77,462	xxx	159
	Crude petroleum	30,355	10,950	xxx	14,771	4,634	15,817	7,802	8,015	[6]28,380	75,347	[6]66	204
14	Nonmetallic minerals mining	3,705	[4]2,425	([4])	1,002	278	1,300	438	862	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals	2,073	1,152	...	877	44	446	408	38	xxx	xxx	xxx	xxx

NA Not available. rRevised.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents crude ore mined in the specified industry.

[4]Figures for the cost of minerals received for preparation are combined with figures for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Figures for shipments of primary products by establishments classified in other mineral and in manufacturing industries are combined with figures for shipments by establishments classified in the specified industry. The quantity figure represents thousands of long tons of crude ore mined. The value figure represents gross shipments.

[6]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]	Separately operated preparation plants	
	All industries:											
	Number of establishments	375	315	254	49	56	149	56	18	32	6	5	60
	Number of employees	[2]7,832	[2]7,620	5,321	1,052	97	4,172	927	583	302	42	[2]1,372	212
	Value added in mining, $1,000	[2]108,657	[2]109,365	89,071	7,432	1,038	80,601	13,963	7,490	5,968	505	[2]6,331	([3])
10	Metal mining:												
	Number of establishments	114	82	67	35	31	1	12	6	5	1	3	32
	Number of employees	5,337	(D)	3,516	1,021	(D)	(D)	(D)	356	(D)	(D)	1,372	(D)
	Value added in mining, $1,000	34,228	(D)	22,548	7,227	(D)	(D)	(D)	5,076	(D)	(D)	6,331	(D)
1021	Copper ores:												
	Number of establishments	8	6	4	2	1	1	1	1	...	...	1	2
	Number of employees	3,685	(D)	2,511	(D)	...	(D)	(D)	(D)	...	...	(D)	(D)
	Value added in mining, $1,000	20,413	(D)	15,323	(D)	...	(D)	(D)	(D)	...	...	(D)	(D)
1031	Lead and zinc ores:												
	Number of establishments	25	17	14	12	2	...	2	1	...	1	1	8
	Number of employees	596	580	436	(D)	(D)	...	(D)	(D)	...	(D)	(D)	16
	Value added in mining, $1,000	4,191	4,215	3,350	(D)	(D)	...	(D)	(D)	...	(D)	(D)	([3])
1062	Manganese ores:												
	Number of establishments	28	28	22	7	15	...	5	3	2	...	1	...
	Number of employees	767	767	557	537	20	...	(D)	(D)	(D)	...	(D)	...
	Value added in mining, $1,000	4,843	4,843	3,592	3,395	197	...	(D)	(D)	(D)	...	(D)	...
12	Bituminous coal and lignite mining:												
	Number of establishments	30	30	17	12	5	...	13	10	2	1	...	...
	Number of employees	173	173	32	(D)	(D)	...	141	(D)	(D)	(D)	...	...
	Value added in mining, $1,000	1,051	1,051	80	(D)	(D)	...	971	(D)	(D)	(D)	...	...
13	Oil and gas extraction:												
	Number of establishments	174	147	145	...	...	145	...	...	...	...	2	27
	Number of employees	[2]1,597	[2]1,472	1,472	...	...	1,472	...	...	...	...	(D)	125
	Value added in mining, $1,000	[2]63,121	[2]63,998	63,998	...	...	63,998	...	...	...	...	(D)	([3])
14	Nonmetallic mineral mining:												
	Number of establishments	57	56	25	2	20	3	31	2	25	4	...	1
	Number of employees	725	(D)	301	(D)	65	(D)	(D)	(D)	283	(D)	...	(D)
	Value added in mining, $1,000	10,257	(D)	2,445	(D)	797	(D)	(D)	(D)	5,749	(D)	...	(D)
1442	Sand and gravel:												
	Number of establishments	32	32	13	...	11	2	19	...	16	3	...	...
	Number of employees	192	192	(D)	...	48	(D)	(D)	...	115	(D)	...	...
	Value added in mining, $1,000	3,467	3,467	(D)	...	573	(D)	(D)	...	2,483	(D)	...	...
147	Chemical and fertilizer minerals:												
	Number of establishments	6	6	2	1	...	1	4	1	2	1	...	...
	Number of employees	359	359	(D)	(D)	...	(D)	(D)	(D)	(D)	(D)	...	...
	Value added in mining, $1,000	4,899	4,899	(D)	(D)	...	(D)	(D)	(D)	(D)	(D)	...	...

D Withheld to avoid disclosing figures for individual companies.
[1]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[2]Excludes data for 2 natural gas liquids plants.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	MONTANA:													
	All mineral operations	r453	39	r8,490	r44,295	r5,866	r11,073	r28,038	r116,993	487,933	r181,501	(NA)	11,605	583,942
	Mineral industries	r440	39	r8,448	r44,116	r5,824	r10,994	r27,859	r115,932	87,785	r180,292	r23,425	11,568	582,867
	Included in manufactures	13	...	642	6179	642	79	179	1,061	4148	1,209	(NA)	637	1,075
	COUNTIES													
	Beaverhead	12	...	29	98	26	47	86	160	241	327	74	75	(D)
13	Big Horn	3	...	3	17	(NA)	(NA)	(NA)	(NA)	(NA)	118	(NA)	785	(NA)
	Blaine	7	...	30	166	(NA)	(NA)	(NA)	(NA)	(NA)	1,012	(NA)	842	(NA)
10	Broadwater	10	...	9	30	8	14	23	13	39	45	7	16	159
	Carbon	20	...	34	179	(NA)	(NA)	(NA)	(NA)	(NA)	11,964	(NA)	875	(NA)
13	Carter	3	...	6	33	(NA)	(NA)	(NA)	(NA)	(NA)	204	(NA)	(NA)	(NA)
	Cascade	14	...	46	239	(NA)	(NA)	(NA)	(NA)	(NA)	996	(NA)	858	(NA)
14	Nonmetallic minerals mining	8	...	25	142	21	42	120	736	248	930	54	...	212
	Custer	6	1	62	358	(NA)	(NA)	(NA)	(NA)	(NA)	345	(NA)	857	(NA)
	Daniels	7	...	2	7	(NA)	(NA)	(NA)	(NA)	(NA)	354	(NA)	(NA)	(NA)
	Dawson	21	2	179	1,003	(NA)	(NA)	(NA)	(NA)	(NA)	4,867	(NA)	870	(NA)
13	Oil and gas extraction	15	2	169	968	(NA)	(NA)	(NA)	(NA)	(NA)	4,779	(NA)	865	(NA)
10	Deer Lodge	3	3	1,216	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	91,087	(D)
13	Fallon	16	2	161	898	(NA)	(NA)	(NA)	(NA)	(NA)	18,967	(NA)	853	(NA)
	Fergus (mineral industries only)	7	...	38	208	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	121	843	(NA)
	Flathead (including operations in manufactures)	5	...	620	673	615	24	67	224	4109	261	72	832	108
	Gallatin (mineral industries only)	6	...	16	70	15	31	62	113	50	153	10	1031	10340
	Glacier	60	3	280	1,678	(NA)	(NA)	(NA)	(NA)	(NA)	8,036	(NA)	8259	(NA)
131	Crude petroleum and natural gas	45	3	242	1,470	(NA)	(NA)	(NA)	(NA)	(NA)	6,555	(NA)	(NA)	(NA)
10	Granite	11	2	144	619	125	213	534	811	730	1,387	154	175	1,791
	Jefferson	10	...	14	55	13	27	50	138	(D)	126	(D)	24	204
	Judith Basin	3	...	4	17	4	7	17	21	(D)	81	(D)	(NA)	(NA)
	Lewis and Clark	6	...	4	15	4	9	14	(NA)	(NA)	131	(NA)	56	510
13	Liberty	8	...	8	48	(NA)	(NA)	(NA)	(NA)	(NA)	473	(NA)	(NA)	(NA)
	Madison	15	...	30	135	28	66	122	393	136	422	107	28	238
	Meagher	4	...	2	4	1	2	3	(NA)	(NA)	155	(NA)	(NA)	(NA)
	Missoula	7	...	36	159	31	57	123	329	124	412	41	32	(NA)
	Musselshell, total	32	4	201	1,033	(NA)	(NA)	(NA)	(NA)	(NA)	4,165	(NA)	8305	(NA)
12	Bituminous coal mining	8	2	124	592	110	174	515	817	128	940	5	284	1,501
13	Oil and gas extraction, total	24	2	77	441	(NA)	(NA)	(NA)	(NA)	(NA)	3,225	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	12	1	34	206	(NA)	(NA)	(NA)	(NA)	(NA)	2,165	(NA)	(NA)	(NA)
138	Oil and gas field services	12	1	43	235	(NA)	(NA)	(NA)	(NA)	(NA)	1,060	(NA)	(NA)	(NA)
	Park	6	...	12	54	(NA)	(NA)	(NA)	(NA)	(NA)	176	(NA)	(NA)	(NA)
13	Petroleum	3	...	18	104	(NA)	(NA)	(NA)	(NA)	(NA)	305	(NA)	824	(NA)
	Phillips	8	...	35	167	(NA)	...	(NA)	(NA)	(NA)	122	(NA)	(NA)	(NA)
	Pondera	16	...	28	168	(NA)	(NA)	(NA)	(NA)	(NA)	858	(NA)	876	(NA)
	Powder River	4	...	6	30	(NA)	(NA)	(NA)	(NA)	(NA)	144	(NA)	(NA)	(NA)
	Richland	4	...	23	120	(NA)	(NA)	(NA)	(NA)	(NA)	229	(NA)	825	(NA)
13	Roosevelt	23	2	134	783	(NA)	(NA)	(NA)	(NA)	(NA)	12,411	(NA)	864	(NA)
	Rosebud	12	1	74	426	(NA)	(NA)	(NA)	(NA)	(NA)	4,507	(NA)	(NA)	(NA)
13	Oil and gas extraction	8	1	63	370	(NA)	(NA)	(NA)	(NA)	(NA)	4,375	(NA)	(NA)	(NA)
	Sheridan (mineral industries only)	17	...	64	322	(NA)	(NA)	(NA)	(NA)	(NA)	1,854	(NA)	(NA)	(NA)
	Silver Bow	26	5	3,744	18,756	2,708	4,843	12,430	23,498	9,019	30,256	2,261	5,915	(NA)
	Stillwater	5	1	212	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(NA)
	Sweet Grass	5	2	51	302	(NA)	(NA)	(NA)	(NA)	(NA)	88	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
13	Teton	14	...	13	74	(NA)	(NA)	(NA)	(NA)	(NA)	663	(NA)	[8]18	(NA)
13	Toole	69	...	170	1,009	(NA)	(NA)	(NA)	(NA)	(NA)	2,735	(NA)	[8]208	(NA)
131	Crude petroleum and natural gas	51	...	131	796	(NA)	(NA)	(NA)	(NA)	(NA)	2,262	(NA)	208	(NA)
	Valley	4	...	16	80	(NA)	(NA)	(NA)	(NA)	(NA)	177	(NA)	[8]39	(NA)
	Yellowstone (mineral industries only):													
	Including oil and gas extraction	30	6	726	4,546	(NA)	(NA)	(NA)	(NA)	(NA)	2,572	(NA)	[8]580	(NA)
	Excluding oil and gas extraction	6	1	57	268	51	90	232	754	126	779	101	35	311
13	Oil and gas extraction	24	5	669	4,278	(NA)	(NA)	(NA)	(NA)	(NA)	1,793	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	17	5	649	4,132	(NA)	(NA)	(NA)	(NA)	(NA)	1,543	(NA)	580	(NA)
13	Undistributed	50	3	286	1,614	(NA)	(NA)	(NA)	(NA)	(NA)	2,606	(NA)	(NA)	(NA)
138	Oil and gas field services	39	3	223	1,230	(NA)	(NA)	(NA)	(NA)	(NA)	2,355	(NA)	...	(NA)

D Withheld to avoid disclosing data for individual companies. [r]Revised.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. In 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[5]Excludes figures for the Uranium-Radium-Vanadium Ores Industry. No data on value of shipments were obtained for this industry.
[6]See table 2A, footnote 3.
[7]Includes data for one uranium-radium-vanadium ores and one crushed and broken granite establishment.
[8]Excludes data for the Oil and Gas Field Services Industries.
[9]Includes data for Nonmetallic Minerals Mining Industries.
[10]Includes data for mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Montana, total	r453	r440	13	2	8	25	42	...	32	4	5	30	3	172	2	r58	1	...	7	3	32	7	2	2	6	...	9	1
No employees	101	101	...	1	2	13	22	...	15	...	...	5	2	26	...	r2	...	...	1	...	9	...	1	...	...	...	2	...
1-4 employees	r223	r213	10	1	3	8	18	...	6	3	5	20	1	101	...	r26	1	...	4	1	11	7	1	2	1	...	3	...
5-9 employees	53	51	2	...	...	...	1	...	5	...	...	2	...	18	...	12	...	...	...	1	8	...	...	...	2	...	3	1
10-19 employees	37	36	1	...	...	1	1	...	1	1	...	1	...	13	2	12	...	...	2	1	2	...	...	...	...	...	...	...
20-49 employees	18	18	...	...	1	1	...	...	1	...	...	1	...	7	...	4	...	...	...	...	2	...	...	...	1	...	...	...
50-99 employees	r11	r11	...	...	...	...	...	...	2	...	...	1	...	5	...	2	...	...	...	...	...	...	...	...	1	...	...	...
100-249 employees	r6	r6	...	...	...	r1	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...
250-499 employees	r1	r1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees	r1	r1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 employees and over	r2	r2	...	...	r2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Beaverhead: 0-19 employees	12	12	...	...	...	3	5	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Big Horn: 0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Blaine: 0-19 employees	7	7	...	...	...	...	...	...	...	...	...	1	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Broadwater: 0-19 employees	10	10	...	1	...	1	5	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon: 0-19 employees	20	20	...	...	...	...	...	...	...	...	3	3	...	7	...	6	...	...	...	...	1	...	...	...	...	...	...	...
Carter: 0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Cascade: 0-19 employees	14	14	...	...	...	...	1	...	...	...	...	3	...	1	...	1	...	...	1	...	6	...	1	...	...	...	...	...
Custer: 0-19 employees	5	5	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Daniels: 0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Dawson: 0-19 employees	19	19	...	...	...	...	...	...	...	...	...	3	...	2	...	11	...	...	...	...	2	...	1	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Deer Lodge: 20-99 employees	2	2	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fallon: 0-19 employees	14	14	...	...	...	...	...	...	...	...	...	...	...	5	...	9	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Fergus: 0-19 employees	9	7	2	...	...	1	...	...	...	...	...	1	...	2	...	2	...	...	...	...	...	...	...	1	...	...	1	1
Flathead: 0-19 employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2	...	...	...	...	...	...
Gallatin: 0-19 employees	8	6	2	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	2	1	...	...	...	...	...	2	...
Garfield: 0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glacier: 0-19 employees	57	57	...	...	...	...	...	...	...	...	...	...	...	42	1	13	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Golden Valley: 0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Granite: 0-19 employees	9	9	...	...	1	3	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2. rRevised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Hill:																											
0-19 employees...	4	4	...	...	...	...	...	...	1	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees...	10	10	...	...	...	3	5	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Judith Basin:																											
0-19 employees...	3	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Lake:																											
0-19 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Lewis and Clark:																											
0-19 employees...	6	6	...	...	...	3	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
Liberty:																											
0-19 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees...	2	2	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
McCone:																											
0-19 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees...	15	15	...	...	2	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Meagher:																											
0-19 employees...	4	4	...	...	...	2	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Mineral:																											
0-19 employees...	5	5	...	...	...	2	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Missoula:																											
0-19 employees...	7	7	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	2	...	1	...	...	...	1	...	...	...
Musselshell:																											
0-19 employees...	28	28	...	...	...	...	...	...	...	...	...	6	...	11	...	11	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	4	4	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Park:																											
0-19 employees...	7	6	1	...	...	2	...	...	...	...	...	...	...	...	...	1	1	...	1	...	1	1	...	...	...	...	...
Petroleum:																											
0-19 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...
Phillips:																											
0-19 employees...	8	8	...	...	...	...	2	...	...	1	...	...	...	1	...	3	...	...	...	...	1	...	...	...	...	...	...
Pondera:																											
0-19 employees...	16	16	...	...	...	...	...	...	...	...	...	...	...	9	...	6	...	...	...	...	1	...	...	...	...	...	...
Powder River:																											
0-19 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...
Powell:																											
0-19 employees...	6	4	2	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	1	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Prairie:																											
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ravalli:																											
0-19 employees...	4	4	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Richland:																											
0-19 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Roosevelt:																											
0-19 employees...	21	21	...	...	...	...	...	...	...	...	...	...	...	11	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rosebud:																											
0-19 employees...	11	11	...	...	...	...	...	...	...	...	...	1	3	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sanders:																											
0-19 employees...	2	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sheridan:																											
0-19 employees...	18	17	1	...	...	...	...	...	...	...	...	4	...	1	...	12	...	...	...	...	...	1	...	...	...	...	...	...
Silver Bow:																											
0-19 employees...	21	21	...	...	...	...	5	...	15	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees..	2	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	3	3	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Stillwater:																											
0-19 employees....	4	4	...	...	...	...	...	...	1	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sweet Grass:																											
0-19 employees....	3	3	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Teton:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	10	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Toole:																											
0-19 employees....	69	69	...	...	...	...	...	...	...	...	...	...	...	51	...	18	...	...	...	...	...	...	...	...	...	...	...	...
Valley:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	2	...	...	...	...	...	...	...
Wheatland:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Wibaux:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...
Yellowstone:																											
0-19 employees....	26	24	2	...	...	1	...	...	...	...	...	...	...	12	...	7	...	...	...	...	4	1	...	1	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	11	...	36	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

NEBRASKA

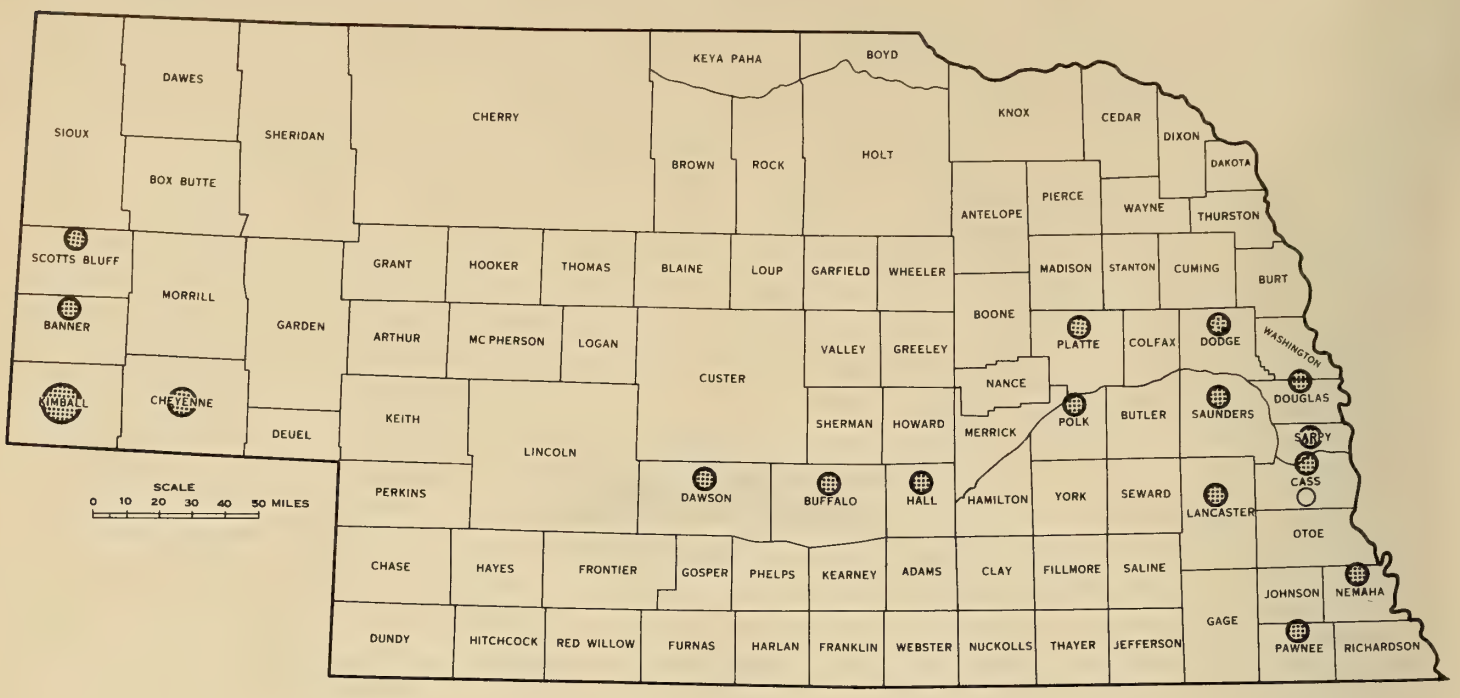
24-1

EMPLOYMENT IN MINING BY COUNTY: 1958

NEBRASKA

RANK AMONG STATES
EMPLOYMENT -37
VALUE OF SHIPMENTS - 28

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES



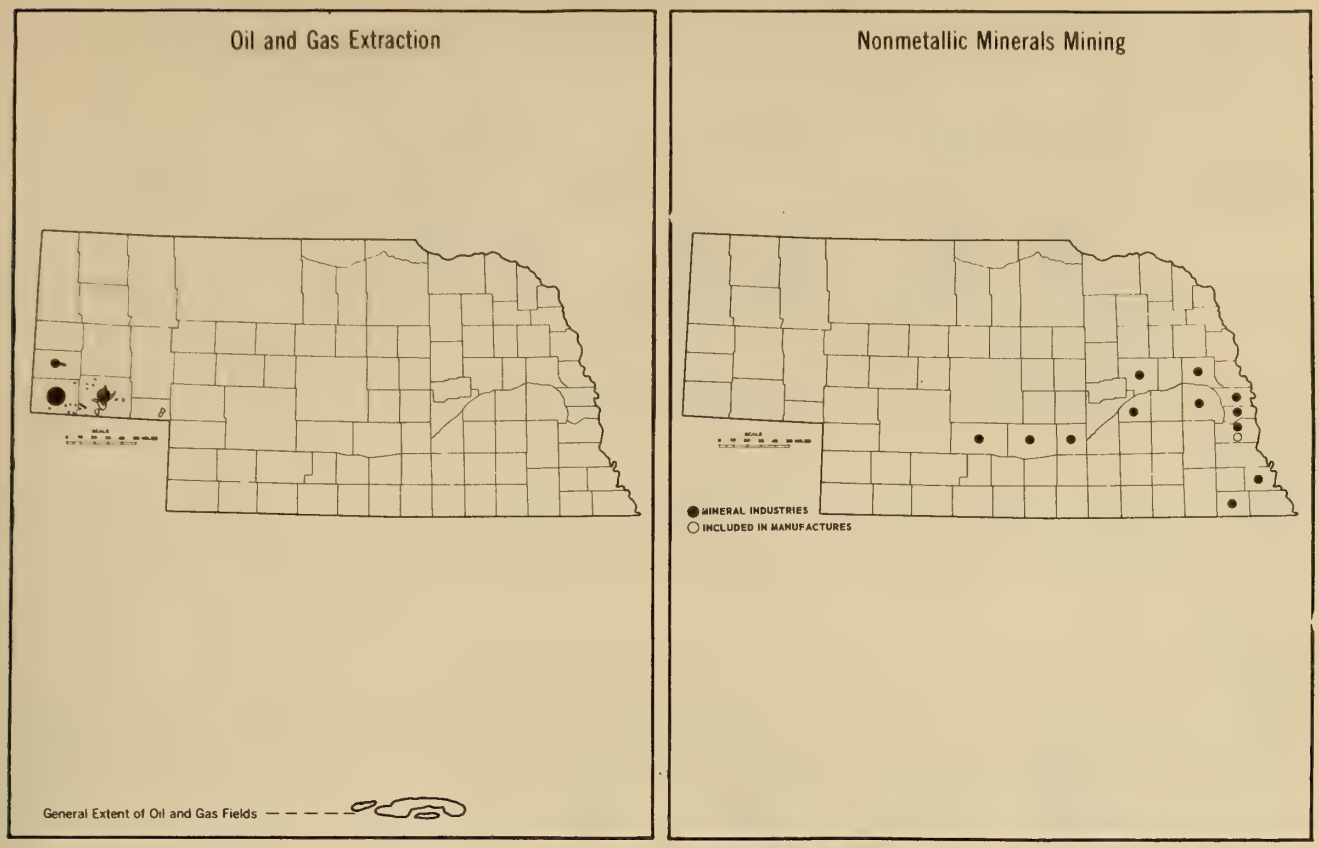
EMPLOYMENT



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN NEBRASKA

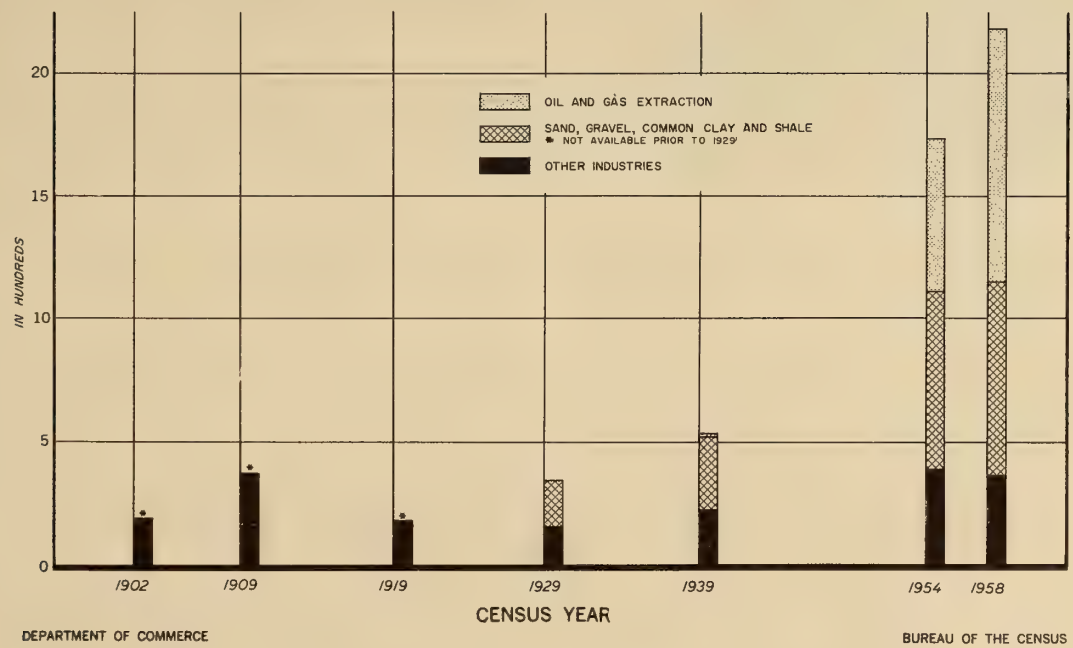
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEBRASKA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	305	27	2,082	9,151	1,719	3,435	7,204	64,037	[2]14,601	([2])	11,521	5,322	81,168	14,313	1,457	848
1954	249	21	1,636	6,633	1,433	3,253	5,735	29,222	[2]6,928	([2])	8,659	8,395	36,817	16,387	692	483
Including operations in manufactures: All operations:																
1958	317	29	2,181	9,571	1,818	3,629	7,624	65,871	[2 3]14,852	(2)	[3]11,521	[4]5,322	83,253	[4]14,313	[4]1,457	801
1954[5]	259	22	1,734	6,960	1,531	3,450	6,062	30,082	[2 3]7,651	(2)	[3]8,659	[4]8,395	38,400	[4]16,387	[4]692	452
1939[6]	[7]67	(NA)	531	451	470	1,041	365	930	348	(NA)	73	(NA)	1,351	(NA)	56	119
1929[8]	24	(NA)	347	677	279	(NA)	481	1,749	386	(NA)	5	140	2,140	(NA)	38	136
Excluding sand, gravel, common clay, and shale operations:																
1958	186	22	1,454	6,737	1,195	2,386	5,260	59,713	[2 3]12,594	(2)	[3]10,979	[4]4,898	74,693	[4]13,491	[4]1,293	1,082
1954	119	14	1,033	4,429	902	1,905	3,778	25,082	[2 3]5,743	(2)	[3]8,465	[4]7,523	31,182	[4]15,631	[4]509	564
1939[6]	[7]21	(NA)	232	199	211	479	173	444	99	(NA)	71	(NA)	614	(NA)	10	47
1929[9]	6	(NA)	157	242	137	(NA)	182	364	96	(NA)	...	29	460	(NA)	4	29
1919[10]	9	(NA)	181	193	162	(NA)	166	211	82	...	...	(NA)	293	(NA)	[11]14	86
1909[10]	18	(NA)	372	187	352	(NA)	170	260	57	...	6	(NA)	323	(NA)	(NA)	(NA)
1902	[7]36	(NA)	190	104	[12]178	(NA)	96	137	11	(NA)	...	(NA)	148	(NA)	(NA)	(NA)

NA Not available.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 3 dimension limestone quarries.

[7]Represents number of mines and quarries and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for common clay and shale pits and for oil and gas extraction operations, if any. In 1939, there were 8 such clay pits with products valued at $57 thousand, 2 nonproducing operations in the crude petroleum and natural gas industry, and one oil and gas field service operation.

[9]Excludes data for oil and gas extraction operations, if any.

[10]Excludes data for stone quarries operated as parts of cement and lime plants, if any. There was one such quarry in 1929. Also excludes for 1909, data for one nonproducing coal mine.

[11]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to about one-fourth of the total kwh equivalent of energy used.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	317	29	2,181	9,571	1,818	3,629	7,624	65,871	[2]31,695	[3]83,253	(NA)	1,734	30,082
	Mineral industries	305	27	2,082	9,151	1,719	3,435	7,204	64,037	31,444	81,168	14,313	1,636	29,222
	Included in manufactures	12	2	[3]99	[3]420	[3]99	194	420	1,834	[2]251	[3]2,085	(NA)	[3]98	860
13	Oil and gas extraction	157	15	1,086	5,030	865	1,605	3,718	54,743	26,456	68,724	12,475	643	22,077
1311	Crude petroleum and natural gas	109	8	569	2,814	392	703	1,767	48,869	20,486	57,940	11,415	324	18,551
138	Oil and gas field services:													
1381	Drilling oil and gas wells	20	4	239	952	227	402	856	2,437	2,226	3,884	779	219	2,667
10 14	Metal mining and Nonmetallic minerals mining (Mineral industries only)	148	12	996	4,121	854	1,830	3,486	9,294	4,988	12,444	1,838	993	7,145
1421	Crushed and broken stone (Mineral industry only)	20	5	280	1,333	243	611	1,170	3,327	1,774	4,088	1,013	[4]383	[4]2,820
1441	Sand and gravel (Mineral industry only)	122	7	705	2,754	601	1,202	2,284	5,945	3,155	8,278	822	682	4,803

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Includes data for mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	31,444	[3]14,601	([3])	11,521	5,322	14,313	5,772	8,541	xxx	xxx	xxx	xxx
13	Oil and gas extraction.....	26,456	[3]11,190	([3])	10,791	4,475	12,475	5,768	6,707	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	20,486	6,409	...	10,386	3,691	11,415	5,718	5,697	[4]17,900	[5]56,993	[4]106	282
10 14	Metal mining and Nonmetallic minerals mining.....	4,988	3,411	...	730	847	1,838	4	1,834	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	1,774	1,178	...	174	422	1,013	1	1,012	[6]3,508	[7]3,851	([6])	([7])
1441	Sand and gravel.....	3,155	2,220	...	527	408	822	3	819	10,016	[8]8,187	[9]176	([8])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used. In addition, 16,629 million cubic feet of natural gas were shipped by establishments classified in the specified industry. No natural gas was shipped by establishments classified in other industries.

[5]Represents $52,038 thousand for crude petroleum, field condensate, and drips shipped and $4,955 thousand for natural gas shipped.

[6]Figures for primary products produced or shipped by establishments classified in other industries are included with those for primary products of establishments classified in the specified industry. Includes the quantity of crushed and broken stone produced and used in the same establishment in making manufactured products.

[7]Figures for value of shipments of primary products by establishments classified in other industries are included with those for value of shipments of primary products by establishments classified in the specified industry.

[8]See footnote 7. The figure shown includes the estimated value of sand and gravel produced and used in the same manufacturing establishment.

[9]Includes data for sand and gravel produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	262	239	115	...	16	99	119	...	92	27	5	23
	Number of employees	[3]1,843	(D)	(D)	...	(D)	561	926	...	752	174	[3]278	(D)
	Value added in mining, $1,000	[3]61,600	(D)	(D)	...	(D)	50,007	8,458	...	7,148	1,310	[3]3,437	(D)
13	Oil and gas extraction:												
	Number of establishments	114	93	88	...	...	88	...	...	...	...	5	21
	Number of employees	[3]847	[3]821	543	...	...	543	...	...	...	...	[3]278	26
	Value added in mining, $1,000	[3]52,306	[3]53,213	49,776	...	...	49,776	...	...	...	...	[3]3,437	([4])
10 and 14	Metal mining and Nonmetallic minerals mining:												
	Number of establishments	148	146	27	...	16	11	119	...	92	27	...	2
	Number of employees	996	(D)	(D)	...	(D)	18	926	...	752	174	...	(D)
	Value added in mining, $1,000	9,294	(D)	(D)	...	(D)	231	8,458	...	7,148	1,310	...	(D)
1421	Crushed and broken stone:												
	Number of establishments	20	20	5	...	5	...	15	...	15	...	...	...
	Number of employees	280	280	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	3,327	3,327	(D)	...	(D)	...	(D)	...	(D)	...	...	...
1441	Sand and gravel:												
	Number of establishments	122	122	20	...	9	11	102	...	75	27	...	...
	Number of employees	705	705	39	...	21	18	666	...	492	174	...	...
	Value added in mining, $1,000	5,945	5,945	526	...	295	231	5,419	...	4,109	1,310	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 7 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for the Oil and Gas Exploration Services and for the Oil and Gas Field Services, NEC, Industries.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEBRASKA:													
	All mineral operations	317	29	2,181	9,571	1,818	3,629	7,624	65,871	[3]31,695	[4]83,253	(NA)	1,734	30,082
	Mineral industries	305	27	2,082	9,151	1,719	3,435	7,204	64,037	31,444	81,168	14,313	1,636	29,222
	Included in manufactures	12	2	[4]99	[4]420	[4]99	194	420	1,834	[3]251	[4]2,085	(NA)	[4]98	860
	COUNTIES													
13	Banner, total	60	...	105	459	(NA)	(NA)	(NA)	(NA)	(NA)	13,003	(NA)	[5]10	(NA)
131	Crude petroleum and natural gas	27	...	38	188	(NA)	(NA)	(NA)	(NA)	(NA)	11,234	(NA)	10	(NA)
138	Oil and gas field services	33	...	67	271	(NA)	(NA)	(NA)	(NA)	(NA)	1,769	(NA)	(NA)	(NA)
144	Buffalo	6	...	40	113	31	34	86	216	137	311	42	40	66
144	Butler (mineral industries only)	4	...	7	11	6	5	9	71	34	60	45	(NA)	(NA)
14	Cass (mineral industries only)	6	4	116	542	99	265	455	915	624	1,501	38	237	1,746
	Crushed and broken stone (including operations in manufactures)	4	3	[4]115	[4]519	[4]103	248	456	1,342	[3]591	[4]1,922	[6]11	[6]184	[6]1,240
	Cheyenne	47	2	276	1,338	(NA)	(NA)	(NA)	(NA)	(NA)	17,632	(NA)	[5]162	(NA)
131	Crude petroleum and natural gas	19	1	162	800	(NA)	(NA)	(NA)	(NA)	(NA)	14,674	(NA)	(NA)	(NA)
144	Colfax (mineral industries only)	3	...	8	27	8	11	27	42	(D)	58	(D)	13	115
14	Custer	5	...	20	36	18	16	34	198	126	316	8	(NA)	(NA)
144	Dawson	5	...	26	80	23	43	72	14	149	138	25	28	127
144	Dodge	5	2	54	286	49	116	221	605	272	855	22	58	616
	Douglas	10	1	117	583	(NA)	(NA)	(NA)	(NA)	(NA)	1,175	(NA)	[7]73	[7]632
13	Dundy (mineral industries only)	3	...	3	14	(NA)	(NA)	(NA)	(NA)	(NA)	2,256	(NA)	(NA)	(NA)
14	Gage	4	...	10	30	9	11	29	174	(D)	240	(D)	28	234
	Garden	4	...	8	28	(NA)	(NA)	(NA)	(NA)	(NA)	487	(NA)	(NA)	(NA)
	Hall	6	...	31	118	17	41	63	122	(D)	260	(D)	18	189
	Hitchcock	6	...	4	18	(NA)	(NA)	(NA)	(NA)	(NA)	113	(NA)	(NA)	(NA)
144	Holt	3	...	3	9	3	6	9	19	4	23	...	(NA)	(NA)
144	Jefferson	4	...	23	64	19	25	54	78	133	190	21	[8]21	[8]147
	Keith	7	...	20	71	19	35	67	496	1,429	1,848	77	11	96
13	Kimball (mineral industries only)	123	6	509	2,270	(NA)	(NA)	(NA)	(NA)	(NA)	32,661	(NA)	[5]83	(NA)
131	Crude petroleum and natural gas	62	4	184	909	(NA)	(NA)	(NA)	(NA)	(NA)	25,770	(NA)	83	(NA)
	Lancaster (including operations in manufactures)	5	...	[4]39	[4]147	(NA)	(NA)	(NA)	(NA)	(NA)	[4]340	(NA)	[4]15	154
14	Lincoln	3	...	10	24	10	11	24	68	6	74	...	14	71
	Morrill	24	...	17	81	(NA)	(NA)	(NA)	(NA)	(NA)	2,303	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	13	...	6	30	(NA)	(NA)	(NA)	(NA)	(NA)	1,711	(NA)	(NA)	(NA)
144	Pierce	4	...	15	36	15	24	36	62	143	121	84	(NA)	(NA)
	Platte	4	1	41	111	(NA)	(NA)	(NA)	(NA)	(NA)	136	(NA)	(NA)	(NA)
	Red Willow	8	...	9	35	(NA)	(NA)	(NA)	(NA)	(NA)	124	(NA)	(NA)	(NA)
	Richardson	8	...	24	96	(NA)	(NA)	(NA)	(NA)	(NA)	508	(NA)	[5]24	(NA)
14	Saunders	5	1	76	399	60	143	282	1,346	(D)	998	(D)	[5]37	(NA)

See footnotes at end of table.

Table 3.–General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Scotts Bluff	10	...	31	138	(NA)	(NA)	(NA)	(NA)	(NA)	274	(NA)	[5]25	(NA)
	Webster	3	...	11	37	(NA)	(NA)	(NA)	(NA)	(NA)	81	(NA)	(NA)	(NA)
	York (including operations in manufactures)	3	...	[4]7	[4]40	[4]7	20	40	117	(D)	[4]141	(D)	(NA)	(NA)
13	Undistributed, total	24	3	178	819	(NA)	(NA)	(NA)	(NA)	(NA)	3,613	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	7	1	80	393	(NA)	(NA)	(NA)	(NA)	(NA)	1,869	(NA)	(NA)	(NA)
138	Oil and gas field services	17	2	98	426	(NA)	(NA)	(NA)	(NA)	(NA)	1,744	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes data for purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for the Oil and Gas Field Services Industries.
[6]Excludes data for mining operations in manufacturing establishments.
[7]Represents sand and gravel operations only.
[8]Includes data for mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Nebraska, total.....	317	305	12	...	1	...	1	...	...	...	...	...	...	109	5	43	1	2	20	2	122	5	1	3	...	...	2	...
No employees.....	60	58	2	...	...	...	...	...	...	...	...	...	...	41	...	...	1	...	2	...	13	2	...	...	...	...	1	...
1-4 employees.....	138	131	7	...	1	...	1	...	...	...	...	...	...	44	2	17	...	2	5	...	59	3	1	2	...	...	1	...
5-9 employees.....	49	48	1	...	...	...	...	...	...	...	...	...	...	12	...	6	...	...	2	...	28	...	...	1	...	...	...	...
10-19 employees...	41	41	...	...	...	...	...	...	...	...	...	...	...	4	3	13	...	...	6	...	15	...	...	...	...	...	...	...
20-49 employees...	26	25	1	...	...	...	...	...	...	...	...	...	...	6	...	7	...	...	5	1	7	...	...	...	...	...	...	...
50-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Antelope:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Banner:																												
0-19 employees....	60	60	...	...	...	...	...	...	...	...	...	...	...	27	...	33	...	...	...	...	...	...	...	...	...	...	...	...
Boone:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Buffalo:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...
Butler:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...
Cass:																												
0-19 employees....	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	2	...	...	...	...
20-99 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	...	...	...	...	...	...	...
Cedar:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Chase:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Cherry:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Cheyenne:																												
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	18	3	23	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Colfax:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...
Cuming:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Custer:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	1	...
Dakota:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Dawes:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Dawson:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
Deuel:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Dixon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Dodge:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Douglas:																											
0-19 employees....	9	9	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	...	1	...	5	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Dundy:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	1	...	...	...	...	...	...
Fillmore:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Franklin:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Frontier:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Furnas:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Gage:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Garden:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Grant:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Greeley:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Hall:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	5	...	...	...	...	...	...	...
Hamilton:																											
0-19 employees....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Harlan:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hayes:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Hitchcock:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	1	...	...	...	...	...	...	...
Holt:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Kearney:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Keith:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	5	...	...	...	...	...	...	...
Kimball:																											
0-19 employees....	118	117	1	...	...	...	...	...	...	...	...	...	...	58	1	58	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Knox:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lancaster:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	1	1	...	...	...	...
Lincoln:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...
Loup:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Merrick:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Morrill:																											
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	13	...	10	...	...	...	...	1	...	...	...	...	...	...	...
Nemaha:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Nuckolls:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Otoe:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Pawnee:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Phelps:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pierce:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Platte:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Polk:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Red Willow:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	4	...	...	...	...	...	...	...
Richardson:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	1	...	2	...	...	...	...	...	...	...
Sarpy:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...
Saunders:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Scotts Bluff:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	...	...	2	...	...	...	...	...	...	...
Seward:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sheridan:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Sioux:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Stanton:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Thayer:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Valley:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Webster:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...
York:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	6	...	15	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...

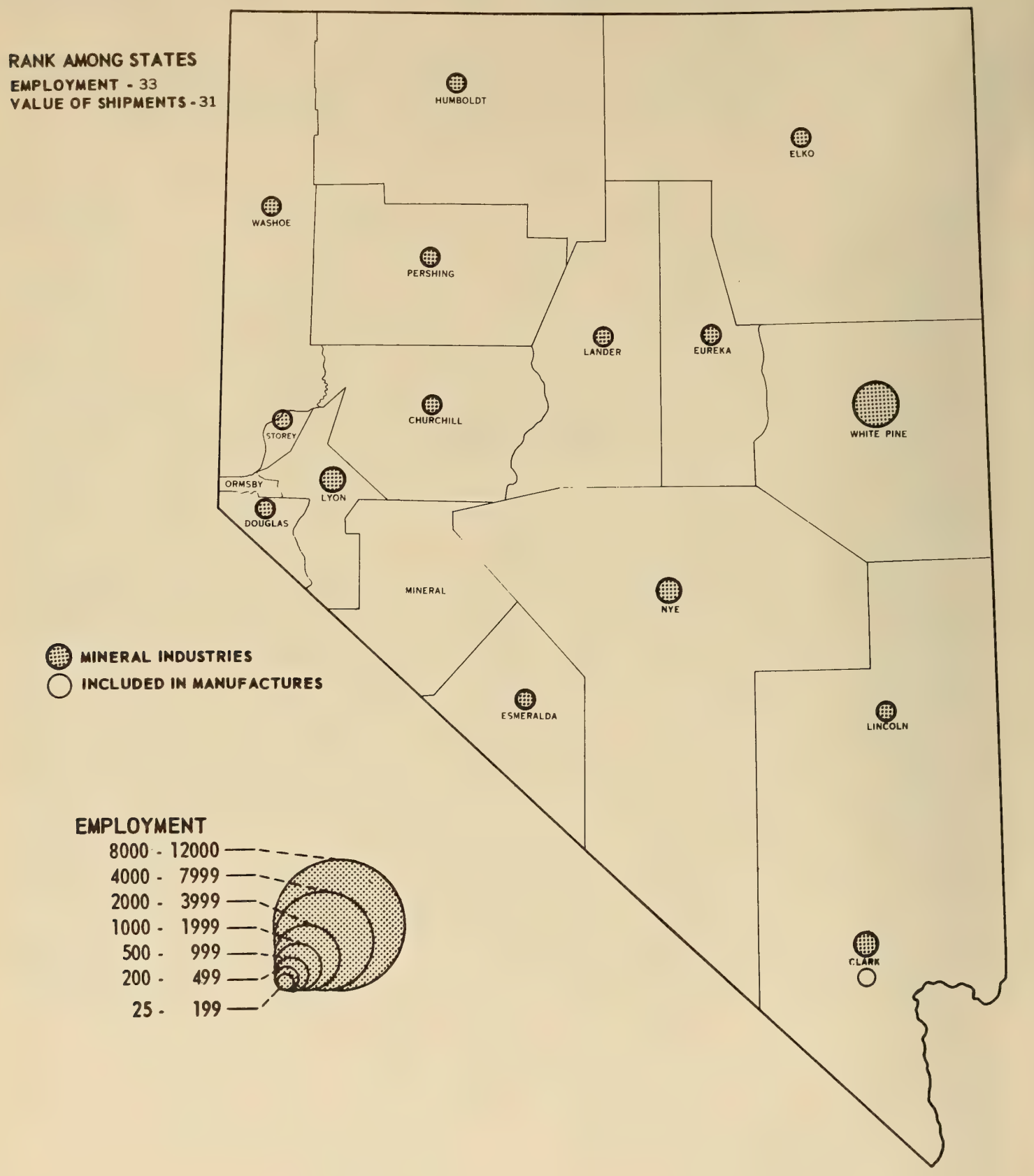
[1]See table 3, footnote 2.

NEVADA

25-1

EMPLOYMENT IN MINING BY COUNTY: 1958

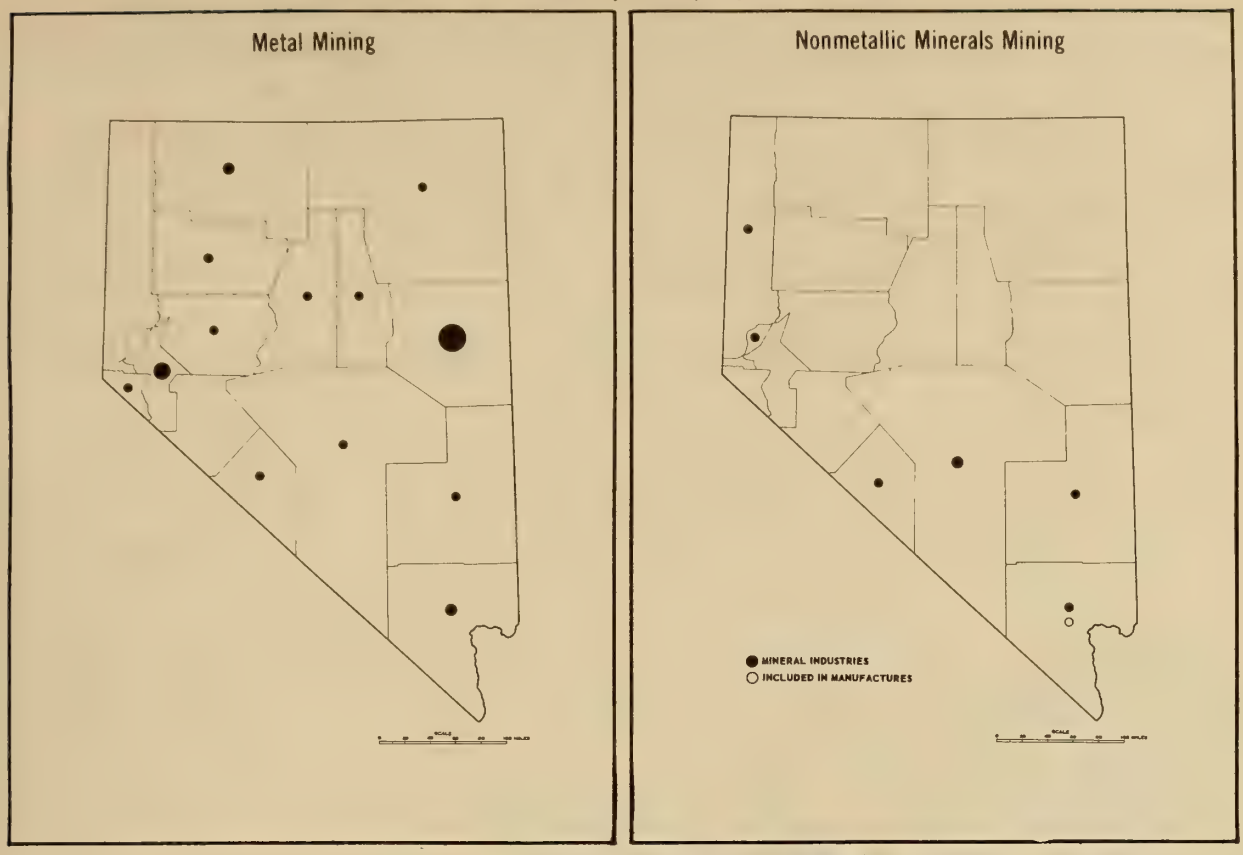
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MINING IN NEVADA

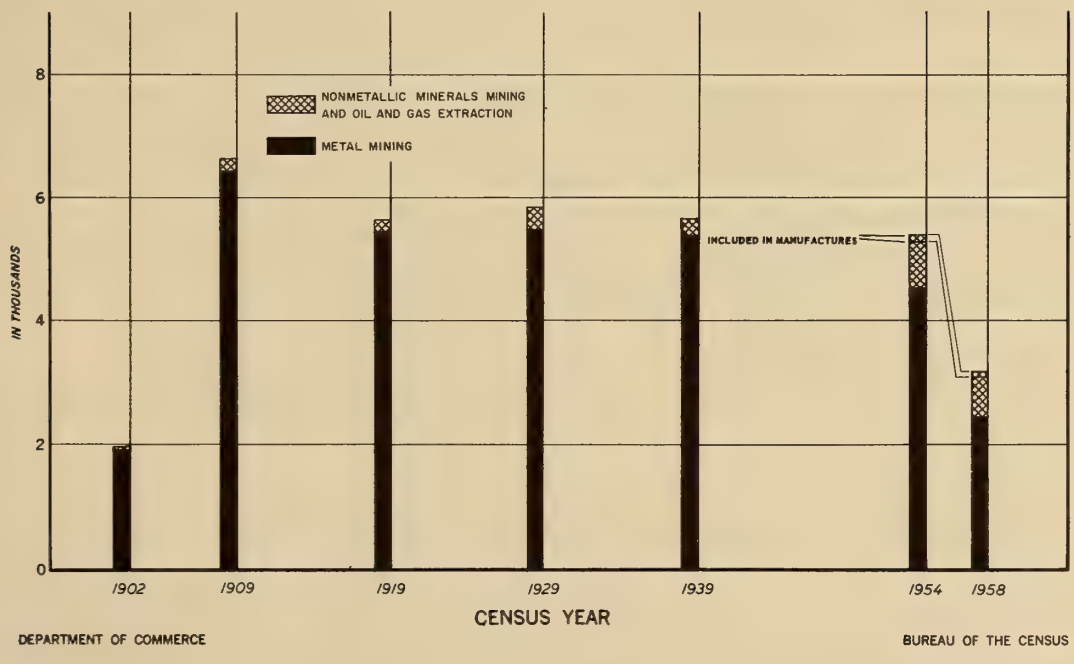
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEVADA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	203	28	3,077	16,304	2,470	4,996	12,644	32,337	[2]30,608	([2])	2,949	7,644	63,789	9,749	r853	r345
1954	450	41	5,262	25,508	4,585	10,232	21,606	[3]53,429	26,093	14,766	14,020	4,410	[3]102,471	10,262	929	203
Including operations in manufactures:																
1958	208	30	3,159	16,688	2,552	5,157	13,028	34,302	[2 4]31,172	([2])	[4]2,949	[5]7,644	66,318	[5]9,749	r[5]853	r334
1954[6]	454	43	5,336	25,796	4,659	10,378	21,894	[3]54,795	[4]26,327	14,766	[4]14,020	[5]4,410	[3]104,071	[5]10,262	[5]929	199
1939	[7]295	(NA)	5,658	9,218	5,099	11,344	7,880	18,670	6,028	(NA)	866	(NA)	25,564	(NA)	455	89
1929[8]	181	(NA)	5,816	10,475	5,246	(NA)	8,936	18,804	7,495	(NA)	360	2,106	26,659	(NA)	1,035	197
1919[9]	321	(NA)	5,637	9,935	4,916	(NA)	8,503	9,432	8,267	...	355	(NA)	18,054	(NA)	[10]1,026	209
1909[9]	548	(NA)	6,624	8,535	5,840	(NA)	7,335	15,729	5,616	1,610	317	(NA)	23,272	(NA)	(NA)	(NA)
1902[11]	[7]196	(NA)	1,994	2,265	[12]1,706	(NA)	1,862	2,406	1,077	(NA)	35	(NA)	3,518	(NA)	(NA)	(NA)

NA Not available. rRevised

[1]For crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1939 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. For all other years represents net production and excludes this duplication.

[2]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]For crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, see also footnote 2.

[5]Excludes data for crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[7]Represents number of mines and quarries and, for mining services industries, number of operating companies.

[8]Excludes data for common clay and shale mining operations, if any. Only one such operation was reported for 1939.

[9]Excludes data for sand and gravel mining operations and stone quarries operated as parts of lime plants. For 1929, 3 sand and gravel mining operations were reported and one such stone quarry. See also footnote 8.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 4 percent of the total kwh equivalent of energy used.

[11]May include data for one lime plant producing lime valued at less than $73 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	208	30	3,159	16,688	2,552	5,157	13,028	34,302	[2]41,765	[3]66,318	(NA)	5,336	[4]54,795
	Mineral industries	203	28	3,077	16,304	2,470	4,996	12,644	32,337	41,201	63,789	9,749	5,262	[4]53,429
	Included in manufactures	5	2	[3]82	[3]384	[3]82	161	384	1,965	[2]564	[3]2,529	(NA)	[3]74	1,366
1011	Iron ores	14	4	160	940	145	296	836	2,496	1,695	3,635	556	122	998
104	Gold and silver ores	54	2	195	1,028	169	341	872	1,946	504	2,191	259	182	992
106	Ferroalloy ores:													
1062	Manganese ores	4	1	180	1,130	134	320	731	3,684	3,994	7,654	24	331	4,220
108	Metal mining services	6	2	118	618	110	233	567	1,741	551	2,157	135	989	[4]10,568
109	Miscellaneous metal ores	23	2	168	786	154	317	723	1,811	483	2,144	150		
1092	Mercury ores	16	2	137	656	126	273	609	1,811	445	2,122	134	(NA)	(NA)
1421	Crushed and broken stone (Mineral industry only)	4	1	69	465	45	81	193	301	1,971	571	1,701	[5]125	[5]1,369
1441	Sand and gravel (Mineral industry only)	14	2	152	800	124	289	626	1,796	568	2,272	92	181	1,990
147	Chemical and fertilizer minerals	15	...	54	235	54	110	235	749	249	927	71	(NA)	(NA)
149	Miscellaneous minerals, nec (Mineral industries only)	14	3	160	917	113	271	655	1,967	3,243	3,056	2,154	(NA)	(NA)
1499	Nonmetallic minerals, nec	7	3	135	787	92	226	535	1,513	3,112	2,520	2,105	(NA)	(NA)

NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]For crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[4]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[5]Includes data for mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	41,201	[3]30,608	([3])	2,949	7,644	9,749	670	9,079	xxx	xxx	xxx	xxx
1011	Iron ores	1,695	[3]553	([3])	978	164	556	414	142	[4]594	[4]3,626	...	...
1062	Manganese ores	3,994	[5]3,994	...	([5])	...	24	24	...	[6]116	[6]7,663	([6])	([6])
1441	Sand and gravel	568	468	...	3	97	92	1	91	1,693	[6]2,195	25	([6])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents direct-shipping iron ore and iron concentrates for consumption. Quantity represents thousands of long tons.
[5]Figures for the cost of contract work are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[6]Figures for shipments of primary products by establishments classified in other industries are included with those for shipments of primary products by establishments classified in the specified industry. For Manganese Ores the quantity represents thousands of long tons.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	193	144	82	42	38	2	59	5	49	5	3	49
	Number of employees	2,935	2,764	(D)	(D)	669	(D)	1,559	21	1,385	153	(D)	171
	Value added in mining, $1,000	30,295	31,167	(D)	(D)	7,846	(D)	17,781	123	15,643	2,015	(D)	([2])
1011	Iron ores:												
	Number of establishments	14	12	10	...	10	...	2	...	2	...	...	2
	Number of employees	160	(D)	96	...	96	...	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	2,496	(D)	1,662	...	1,662	...	(D)	...	(D)	...	...	(D)
1062	Manganese ores:												
	Number of establishments	4	4	3	3	...	...	1	...	1	...	...	...
	Number of employees	180	180	(D)	(D)	...	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	3,684	3,684	(D)	(D)	...	...	(D)	...	(D)	...	...	...
1441	Sand and gravel:												
	Number of establishments	14	14	2	...	2	...	12	...	11	1	...	...
	Number of employees	152	152	(D)	...	(D)	...	(D)	...	126	(D)	...	...
	Value added in mining, $1,000	1,796	1,796	(D)	...	(D)	...	(D)	...	1,320	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for one sand and gravel establishment for which the method of mining was not specified.
[2] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEVADA:													
	All mineral operations....	208	30	3,159	16,688	2,552	5,157	13,028	34,302	[3]41,765	[4]66,318	(NA)	5,336	[5]54,795
	Mineral industries.....	203	28	3,077	16,304	2,470	4,996	12,644	32,337	41,201	63,789	9,749	5,262	[5]53,429
	Included in manufactures	5	2	[4]82	[4]384	[4]82	161	384	1,965	[3]564	[4]2,529	(NA)	[4]74	1,366
	COUNTIES													
	Churchill.....	9	1	45	227	32	63	192	354	174	496	32	(NA)	(NA)
	Clark (mineral industries only).....	21	4	339	1,926	277	605	1,403	5,596	6,563	10,249	1,910	587	[5]7,576
	Elko.....	18	...	58	249	39	84	168	503	270	636	137	52	[5]435
	Esmeralda.....	13	1	76	465	59	162	381	352	522	747	127	56	[5]329
	Eureka.....	7	...	50	287	(NA)	(NA)	(NA)	(NA)	(NA)	1,121	(NA)	75	[5]499
	Humboldt.....	16	3	169	929	154	320	820	2,711	670	3,230	151	418	[5]4,720
	Lander.....	14	1	93	421	80	185	364	728	351	1,035	44	183	1,446
	Lincoln.....	15	2	105	547	83	174	413	1,442	459	1,703	198	385	3,259
	Nye.....	27	4	335	1,995	(NA)	(NA)	(NA)	(NA)	(NA)	6,831	(NA)	[6]169	[6]3,120
	Pershing.....	25	3	168	761	143	273	636	915	(D)	1,372	(D)	330	4,472
10	Metal mining.....	21	3	144	660	130	247	572	844	433	1,177	100	326	4,407
	Washoe (mineral industries only).....	16	1	104	678	72	158	365	672	339	928	83	[6]50	[6]448
	White Pine.....	18	5	987	(D)	767	(D)	(D)	(D)	(D)	(D)	(D)	1,922	24,719

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, these reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Employment excludes data for Oil and Gas Field Services Industries. Value added in mining excludes all data for the Oil and Gas Extraction Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Nevada, total	208	203	5	14	16	18	54	...	14	6	23	...	...	2	...	1	2	...	4	2	14	1	3	...	15	3	14	2
No employees	57	57	...	2	1	6	29	...	3	...	11	...	...	...	...	...	1	...	...	...	...	...	1	...	2	...	1	...
1-4 employees	79	78	1	6	6	8	19	...	6	4	5	...	...	1	...	1	1	...	1	...	4	1	...	...	9	...	7	...
5-9 employees	24	23	1	2	2	1	3	...	1	...	2	...	...	...	...	...	...	...	2	1	5	...	...	...	3	2	...	...
10-19 employees	18	17	1	...	...	3	1	...	1	...	3	...	...	1	...	...	...	...	...	1	3	...	...	...	1	1	3	...
20-49 employees	17	15	2	4	2	...	...	...	2	...	1	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	3	2
50-99 employees	6	6	...	...	1	...	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
100-249 employees	4	4	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250-499 employees	3	3	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Churchill:																												
0-19 employees	8	8	...	1	...	...	1	...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
20-99 employees	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clark:																												
0-19 employees	20	17	3	...	...	3	1	...	...	2	...	...	...	...	...	1	1	...	1	2	6	1	...	...	...	...	2	...
20-99 employees	4	3	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	1
100-249 employees	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Douglas:																												
0-19 employees	2	2	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elko:																												
0-19 employees	18	18	...	...	1	5	6	...	...	1	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...
Esmeralda:																												
0-19 employees	12	12	...	...	...	1	4	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Eureka:																												
0-19 employees	7	7	...	...	...	2	2	...	...	1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Humboldt:																												
0-19 employees	13	13	...	2	...	...	5	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
20-99 employees	3	3	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lander:																												
0-19 employees	13	13	...	...	...	3	...	3	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...
20-99 employees	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees	13	13	...	...	...	...	1	4	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	1	...
20-99 employees	2	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Lyon:																												
0-19 employees	3	3	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
250 employees and over	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral:																												
0-19 employees	7	7	...	...	...	2	1	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nye:																												
0-19 employees	23	23	...	...	...	1	...	10	...	2	1	3	...	...	...	1	...	1	...	...	...	...	...	...	...	3	1	...	...
20-99 employees	3	3	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Ormsby:																												
0-19 employees	3	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Pershing:																												
0-19 employees....	22	22	...	6	...	...	2	...	2	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...
20-99 employees...	3	3	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Storey:																												
0-19 employees....	2	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Washoe:																												
0-19 employees....	15	15	...	...	1	2	4	...	...	1	1	...	...	...	...	...	...	...	1	...	4	...	...	...	...	1	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
White Pine:																												
0-19 employees....	13	13	...	...	1	3	2	...	3	1	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

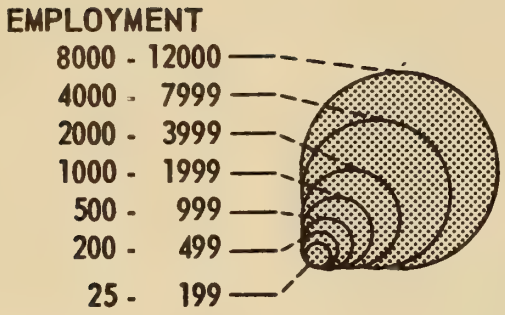
NEW HAMPSHIRE

26-1

EMPLOYMENT IN MINING BY COUNTY: 1958

NEW HAMPSHIRE

RANK AMONG STATES
EMPLOYMENT - 46
VALUE OF SHIPMENTS - 45





U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	38	3	r234	r951	200	413	708	1,977	r632	r112	195	174	2,866	224	r34	r170
1954	39	3	266	855	240	481	723	1,658	289	51	66	178	1,980	262	27	113
Including operations in manufactures:																
1958	45	4	r328	r1,534	282	579	1,166	r2,751	r [2]823	r112	r [2]195	r[3]174	3,858	r[3]224	r [3]34	r121
1954[4]	44	4	319	1,108	285	574	918	1,913	[2]565	51	[2]66	[3]188	2,510	[3]273	[3]29	102
1939[5]	[6]25	(NA)	307	353	266	535	266	777	126	(NA)	...	(NA)	903	(NA)	18	68
1929[7]	36	(NA)	624	884	569	(NA)	773	1,269	287	(NA)	6	47	1,562	(NA)	54	95
1919[8]	30	(NA)	727	922	682	(NA)	826	1,323	210	...	35	(NA)	1,568	(NA)	[9]41	60
1909[8]	46	(NA)	1,466	980	1,418	(NA)	926	1,145	155	...	9	(NA)	1,309	(NA)	(NA)	(NA)
1902[10]	[6]56	(NA)	1,345	875	[11]1,253	(NA)	806	1,042	134	(NA)	...	(NA)	1,176	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments and for dimension stone operations in manufactures in 1958, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, and for 1958, for dimension stone operations in manufactures.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[5]Except for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing stone at such operations was $250 thousand; this value has been included in the value of shipments and value added in mining. Except for number of mines and quarries, includes data for one diatomite mine in Massachusetts.

[6]Represents number of mines and quarries.

[7]Excludes data for common clay and shale operations. There were 3 such mines in 1939, with products valued at $11 thousand.

[8]Excludes data for sand and gravel operations. There were 4 such establishments in 1929, with products valued at less than $387 thousand. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 6 percent of the total kwh equivalent of energy used.

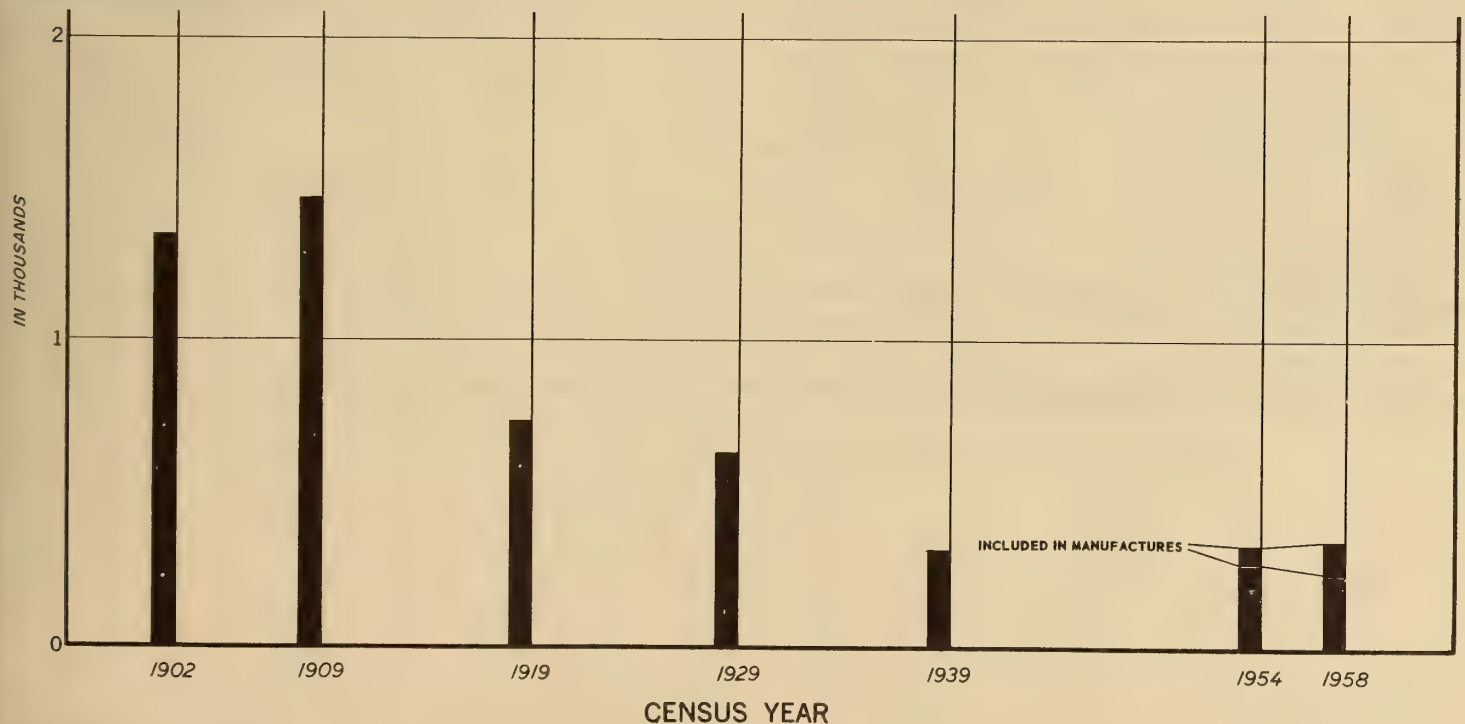
[10]Excludes data for one nonproducing operation. See also footnote 8.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEW HAMPSHIRE



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations (nonmetallic minerals mining)	45	4	r328	r1,534	282	579	1,166	r2,751	r21,396	33,858	r4289	319	1,913
14	Mineral industries	38	3	r234	r951	200	413	708	1,977	1,113	2,866	224	266	1,658
	Included in manufactures	7	1	394	3583	382	166	458	r774	r2283	3992	r465	353	255
	Stone	6	1	399	3608	386	184	480	912	2221	31,063	470	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	19	1	89	507	74	164	377	884	594	1,391	87	99	846
149	Miscellaneous minerals, nec:													
1493	Mica	11	1	94	239	88	156	201	677	341	915	103	49	175

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.
[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
14	All mineral industries (nonmetallic minerals mining)	1,113	r632	r112	195	174	224	2	222	xxx	xxx	xxx	xxx
1441	Sand and gravel	594	3390	(3)	140	64	87	...	87	986	31,249	94	(3)
1493	Mica	341	206	...	50	85	103	1	102	1	(NA)	(NA)	(NA)

NA Not available. rRevised.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Figures for shipments of primary products by establishments classified in other industries are included with those for shipments of primary products by establishments classified in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	38	37	12	...	7	5	24	5	18	1	1	1
	Number of employees	234	(D)	53	...	36	17	(D)	71	101	(D)	(D)	(D)
	Value added in mining, $1,000	1,977	(D)	312	...	226	86	(D)	634	960	(D)	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	19	19	4	...	...	4	14	...	13	1	1	...
	Number of employees	89	89	(D)	...	...	(D)	(D)	...	70	(D)	(D)	...
	Value added in mining, $1,000	884	884	(D)	...	...	(D)	(D)	...	769	(D)	(D)	...
1493	Mica												
	Number of establishments	11	10	2	...	2	...	8	4	4	...	...	1
	Number of employees	94	(D)	(D)	...	(D)	...	90	(D)	(D)	...	...	(D)
	Value added in mining, $1,000	677	(D)	(D)	...	(D)	...	637	(D)	(D)	...	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEW HAMPSHIRE:													
	All mineral operations	45	4	r328	r1,534	282	579	1,166	r2,751	r21,396	33,858	r4289	319	1,913
	Mineral industries	38	3	r234	r951	200	413	708	1,977	1,113	2,866	224	266	1,658
	Included in manufactures	7	1	394	3583	382	166	458	r774	r2283	3992	r465	353	255
	COUNTIES													
14	Belknap	4	...	16	93	14	32	68	12	376	334	54	(NA)	(NA)
14	Cheshire	8	1	69	239	51	106	159	540	217	706	51	55	365
14	Grafton (mineral industries only)	13	1	94	268	87	159	227	735	376	1,008	103	78	353
1493	Mica	8	1	73	177	70	126	158	601	312	810	103	30	117
14	Hillsboro (mineral industries only)	3	...	7	25	7	15	25	60	17	68	9	...	...
14	Rockingham (mineral industries only)	3	...	4	16	4	6	16	41	19	57	3	(NA)	(NA)

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]See table 2A, footnote 3.
[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
New Hampshire, total	45	38	7	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	1	1	19	1	3	3	1	...	12	...
No employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
1–4 employees	25	20	5	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	13	1	1	3	...	...	4	...
5–9 employees	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	1	...	1	...	2	...
10–19 employees	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	3	...
20–49 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...
50–99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Belknap:																												
0–19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	1	...
Cheshire:																												
0–19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	1	...	2	...
20–99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Coos:																												
0–19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Grafton:																												
0–19 employees	13	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	1	...	...	7	...
20–99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Hillsboro:																												
0–19 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	1	...	...	...	...	...	...
Merrimack:																												
0–19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
20–99 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
Rockingham:																												
0–19 employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	1	...	...	...	...
Strafford:																												
0–19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
Sullivan:																												
0–19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...

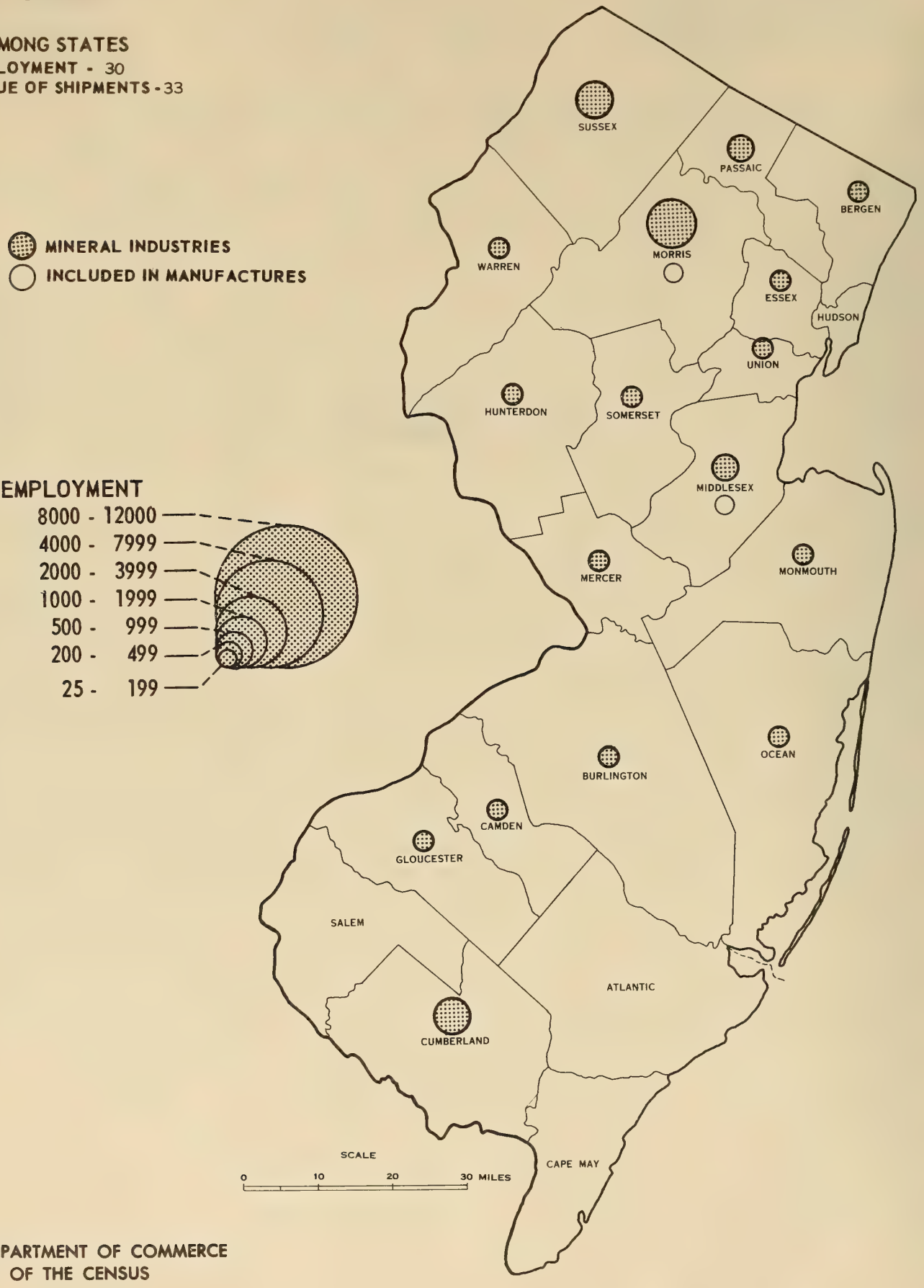
NEW JERSEY

27-1

EMPLOYMENT IN MINING BY COUNTY: 1958

NEW JERSEY

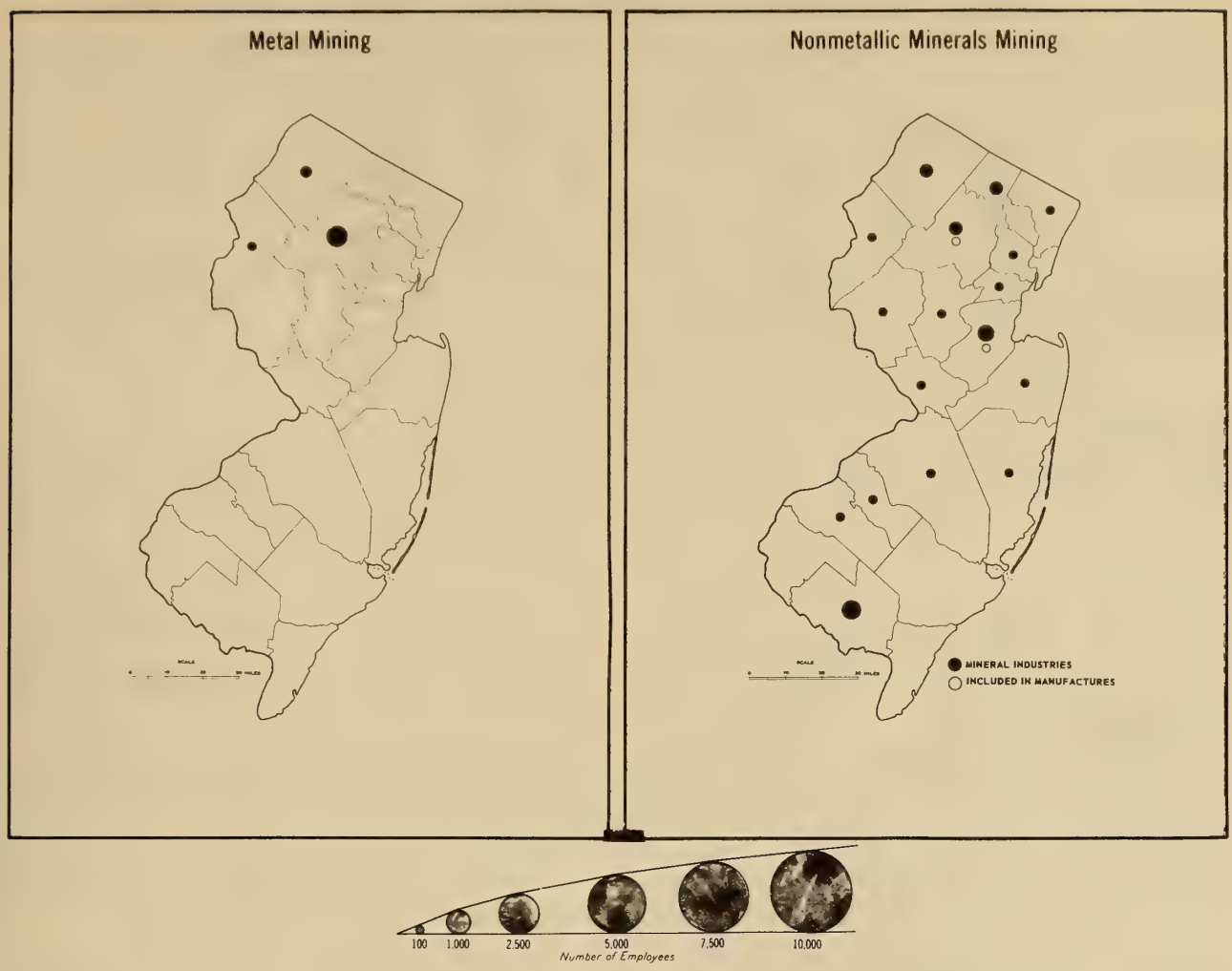
RANK AMONG STATES
EMPLOYMENT - 30
VALUE OF SHIPMENTS - 33



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN NEW JERSEY

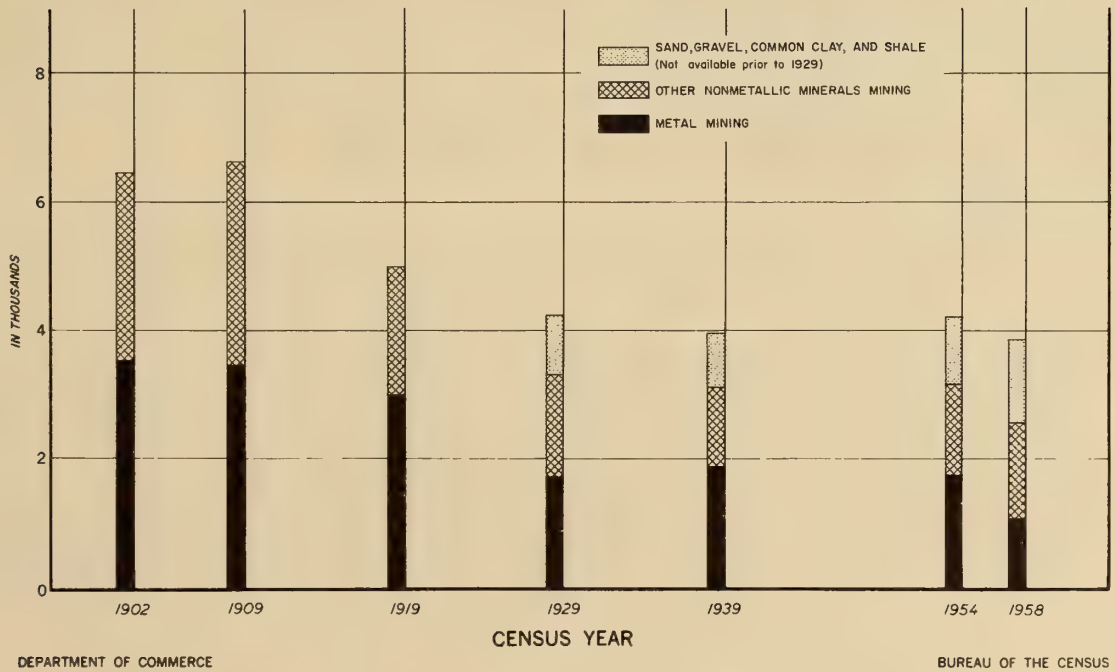
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEW JERSEY



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	135	42	3,748	19,485	2,812	5,593	13,366	r37,638	11,689	80	830	2,311	48,651	r3,897	r655	r233
1954	153	41	4,126	18,529	3,479	7,820	14,932	r[2]38,617	11,049	482	1,283	3,477	[2]50,855	4,029	699	201
Including operations in manufactures:																
All operations:																
1958	150	44	3,859	19,955	2,923	5,814	13,836	40,663	[3]11,974	80	[3]830	[4]2,311	51,961	[4]3,897	r [4]655	r224
1954[5]	166	41	4,190	18,769	3,543	7,948	15,172	r[2]38,965	[3]11,301	482	[3]1,283	[4]3,477	[2]51,455	[4]4,029	[4]699	197
1939[6]	[7]137	(NA)	3,978	5,926	3,369	6,451	4,314	11,103	2,926	(NA)	95	(NA)	14,124	(NA)	652	194
1929[8]	117	(NA)	4,196	6,877	3,630	(NA)	5,400	12,540	3,107	(NA)	143	823	15,790	(NA)	908	250
Excluding sand, gravel, common clay, and shale operations:																
1929	65	(NA)	3,300	5,376	2,906	(NA)	4,309	8,806	2,241	(NA)	53	470	11,100	(NA)	732	252
1919	97	(NA)	4,989	6,120	4,576	(NA)	5,393	6,336	2,915	...	58	(NA)	9,309	(NA)	[9]991	217
1909	133	(NA)	6,602	3,064	6,323	(NA)	2,801	7,309	994	...	44	(NA)	8,347	(NA)	(NA)	(NA)
1902[10]	[7]165	(NA)	6,436	3,267	[11]5,981	(NA)	2,870	4,358	2,236	(NA)	11	(NA)	6,605	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, the figures represent net production and exclude this duplication.

[2] Excludes data for the Uranium-Radium-Vanadium Ores Industry. No data on value of shipments and cost of ores received for milling were obtained for this industry for 1954.

[3] For stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4] Excludes data for stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5] Excludes data for sand and gravel mining operations in manufacturing establishments.

[6] Except for number of mines, excludes data for nonproducing operations as follows: 1 iron ore mine and 1 trap rock quarry and crushing plant. Also, excludes data for dimension stone dressing plants operated in conjunction with quarries, if any.

[7] Represents number of mines and quarries.

[8] Excludes data for common clay and shale and peat operations. There were 12 common clay and shale mines in 1939, with products valued at $202 thousand.

[9] Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 2 percent of the total kwh equivalent of energy used.

[10] Includes data for lime plants producing lime valued at $123 thousand. Also, includes data for 2 cement plants.

[11] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	150	44	3,859	19,955	2,923	5,814	13,836	40,663	[2]15,195	[3]51,961	(NA)	4,190	r[4]38,965
	Mineral industries	135	42	[3]3,748	[3]19,485	[3]2,812	5,593	13,366	37,638	[2]14,910	48,651	3,897	4,126	r[4]38,617
	Included in manufactures	15	2	[3]111	[3]470	[3]111	221	470	3,025	[2]285	[3]3,310	(NA)	[3]64	348
10	Metal mining	5	5	1,029	5,106	838	1,339	4,078	8,667	2,353	10,088	932	1,711	r[4]9,422
	Nonmetallic minerals mining	145	39	2,830	14,849	2,085	4,475	9,758	31,996	[2]12,842	[3]41,873	(NA)	2,479	29,543
14	Mineral industries	130	37	[3]2,719	[3]14,379	[3]1,974	4,254	9,288	28,971	[2]12,557	38,563	2,965	2,415	29,195
	Included in manufactures	15	2	[3]111	[3]470	[3]111	221	470	3,025	[2]285	[3]3,310	(NA)	[3]64	348
1421	Crushed and broken stone	25	15	1,138	6,554	811	1,802	4,237	14,747	5,712	19,506	953	1,164	16,917
	Crushed and broken limestone (mineral subindustry)	5	1	290	1,688	123	339	626	2,014	1,134	2,918	230	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	89	18	1,174	5,627	1,000	2,123	4,445	12,889	6,006	17,289	1,606	1,009	10,829
	Common sand and gravel (mineral subindustry)	75	10	708	3,556	585	1,336	2,768	7,785	2,993	9,608	1,170	650	6,976
	Glass sand and molding sand (mineral subindustries)	14	8	466	2,071	415	787	1,677	5,104	3,013	7,681	436	359	3,853
	Clay and related minerals	23	4	r409	2,240	r175	364	726	r1,692	[2]936	2,256	r372	237	1,435
1453	Fire clay (mineral industry only)	7	2	120	466	87	192	323	651	312	761	202	115	501
	Clay and related minerals, nec	14	2	[3]88	[3]416	[3]83	162	381	899	[2]544	[3]1,273	[5]170	(NA)	(NA)

NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For sand and gravel and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[4]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[5]Excludes data for mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	14,910	11,689	80	830	2,311	3,897	1,012	2,885	xxx	xxx	xxx	xxx
10	Metal mining	2,353	2,332	...	1	20	932	888	44	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining	12,557	9,357	80	829	2,291	2,965	124	2,841	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	5,712	4,542	...	432	738	953	35	918	7,308	18,202	135	200
1441	Sand and gravel	6,006	[3]4,393	([3])	394	1,219	1,606	83	1,523	9,984	[4]18,914	2,194	([4])
	Common sand and gravel	2,993	[3]1,994	([3])	177	822	1,170	83	1,087	7,481	[4]11,817	2,299	([4])
	Glass sand and molding sand	3,013	2,399	...	217	397	436	...	436	2,329	[4]7,097	69	([4])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Figures for the value of shipments of primary products by establishments classified in other industries are included with those for the value of shipments of primary products by establishments classified in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	135	135	32	...	25	7	101	4	89	8	2	...
	Number of employees	[3]3,748	[3]3,748	176	...	169	7	(D)	(D)	2,390	387	(D)	...
	Value added in mining, $1,000	[3]37,638	[3]37,638	1,737	...	1,610	127	(D)	(D)	25,240	1,437	(D)	...
1	Metal mining:												
	Number of establishments	5	5	...	...	...	...	5	4	...	1	...	...
	Number of employees	[3]1,029	[3]1,029	...	...	...	...	[3]1,029	(D)	...	(D)	...	...
	Value added in mining, $1,000	[3]8,667	[3]8,667	...	...	...	...	[3]8,667	(D)	...	(D)	...	...
14	Nonmetallic minerals mining:												
	Number of establishments	130	130	32	...	25	7	96	...	89	7	2	...
	Number of employees	2,719	2,719	176	...	169	7	(D)	...	2,390	(D)	(D)	...
	Value added in mining, $1,000	28,971	28,971	1,737	...	1,610	127	(D)	...	25,240	(D)	(D)	...
1421	Crushed and broken stone:												
	Number of establishments	25	25	...	...	...	...	25	...	25	...	...	...
	Number of employees	1,138	1,138	...	...	...	...	1,138	...	1,138	...	...	...
	Value added in mining, $1,000	14,747	14,747	...	...	...	...	14,747	...	14,747	...	...	...
1441	Sand and gravel:												
	Number of establishments	89	89	28	...	21	7	59	...	52	7	2	...
	Number of employees	1,174	1,174	150	...	143	7	(D)	...	871	(D)	(D)	...
	Value added in mining, $1,000	12,889	12,889	1,549	...	1,422	127	(D)	...	9,349	(D)	(D)	...
	Common sand and gravel:												
	Number of establishments	75	75	27	...	20	7	47	...	40	7	1	...
	Number of employees	708	708	(D)	...	(D)	7	(D)	...	(D)	(D)	(D)	...
	Value added in mining, $1,000	7,785	7,785	(D)	...	(D)	127	(D)	...	(D)	(D)	(D)	...
	Glass sand and molding sand:												
	Number of establishments	14	14	1	...	1	...	12	...	12	...	1	...
	Number of employees	466	466	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...
	Value added in mining, $1,000	5,104	5,104	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 7 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for the Metal Mining Services, NEC, Industry.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEW JERSEY:													
	All mineral operations	150	44	3,859	19,955	2,923	5,814	13,836	40,663	[3]15,195	[4]51,961	(NA)	4,190	r[5]38,965
	Mineral industries	135	42	3,748	19,485	2,812	5,593	13,366	37,638	14,910	48,651	3,897	4,126	r[5]38,617
	Included in manufactures	15	2	[4]111	[4]470	[4]111	221	470	3,025	[3]285	[4]3,310	(NA)	[4]64	348
	COUNTIES													
144	Atlantic	7	...	20	64	20	42	64	179	(D)	207	(D)	28	135
144	Bergen (mineral industries only)	5	1	48	328	43	100	250	795	253	982	66	44	915
14	Burlington (mineral industries only)	5	2	63	291	51	114	235	542	430	890	82	60	602
144	Camden (mineral industries only)	8	3	140	701	120	260	581	1,431	467	1,697	201	91	580
14	Cumberland	20	8	526	2,357	454	896	1,852	5,495	3,285	8,010	770	421	4,227
14	Gloucester	6	...	29	148	24	59	113	411	(D)	513	(D)	45	382
14	Hunterdon (mineral industries only)	4	1	58	284	53	131	223	338	169	506	1	63	350
	Middlesex, total:													
	Including operations in manufactures	20	5	[4]379	[4]1,972	[4]215	515	898	2,159	[3]1,072	[4]2,821	[6]410	[4]321	[5]2,894
14	Mineral industries only	16	4	350	1,814	186	459	740	1,756	943	2,289	410	274	[5]1,646
144	Sand and gravel	8	1	86	372	68	200	267	869	224	1,052	41	(NA)	(NA)
	Clay and related minerals:													
	Including operations in manufactures	12	4	[4]293	[4]1,600	[4]147	315	631	1,290	[3]848	[4]1,769	[6]369	(NA)	(NA)
145	Mineral industries only	8	3	264	1,442	118	259	473	887	719	1,237	369	(NA)	(NA)
144	Monmouth (mineral industries only)	8	1	68	349	60	122	250	782	192	904	70	62	559
	Morris (mineral industries only)	13	6	1,067	5,488	912	1,527	4,515	11,681	3,455	14,417	719	895	6,035
144	Sand and gravel	6	1	68	347	50	97	247	673	365	1,015	23	(NA)	(NA)
144	Ocean	6	1	63	309	58	129	283	1,033	252	1,181	104	47	592
14	Passaic (mineral industries only)	10	6	324	1,834	237	513	1,346	4,105	1,946	5,718	333	335	7,721
	Sussex	10	3	501	2,595	254	328	1,145	2,593	1,355	3,305	643	970	6,049

D Withheld to avoid disclosing data for individual companies.
NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and receipts for services by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Excludes data for mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
New Jersey, total...	150	135	15	4	...	1	...	...	...	...	...	...	...	...	...	...	...	1	25	...	89	2	11	12	...	...	5	..
No employees.....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	2	...	...	...	...
1-4 employees.....	50	40	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	30	1	4	8	...	...	3	...
5-9 employees.....	21	20	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	...	1	1	...	...	...	...
10-19 employees...	29	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	18	...	3	...	...	...	1	...
20-49 employees...	31	30	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	16	...	2	1	...	...	1	...
50-99 employees...	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	1	1	...	...	...	...	...
100-249 employees.	4	4	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
250-499 employees.	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Atlantic:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...
Bergen:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Burlington:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Camden:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Cape May:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Cumberland:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...	1	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Essex:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Gloucester:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	1	...
Hunterdon:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Mercer:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Middlesex:																												
0-19 employees....	15	12	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	5	3	...	...	...	...
20-99 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	1	...	...	...	...
Monmouth:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Morris:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	5	...	...	1	...	...	...	...
20-99 employees...	4	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Ocean:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Passaic:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	1	...	...	1	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...
Somerset:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Sussex:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...
100-249 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

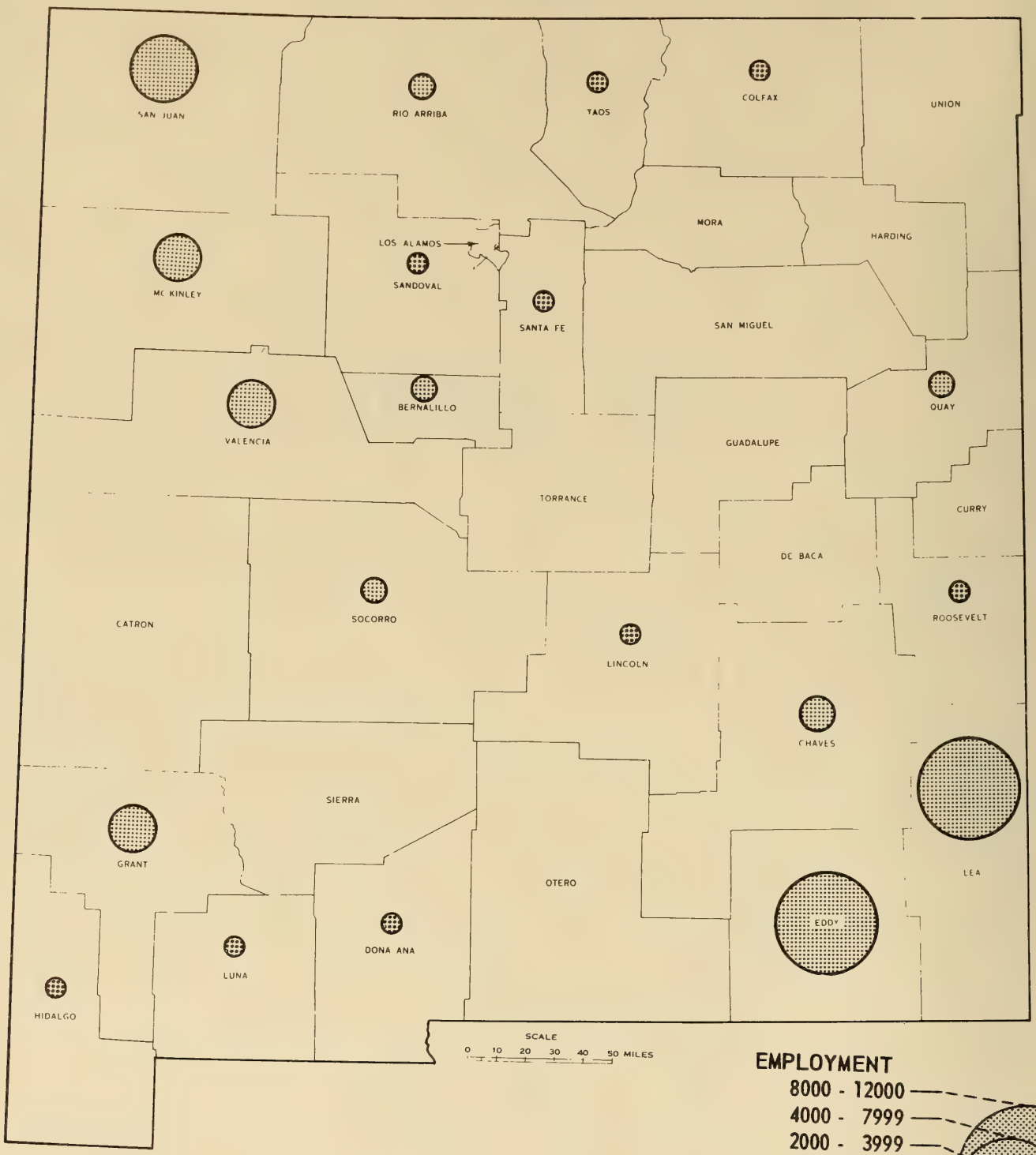
NEW MEXICO

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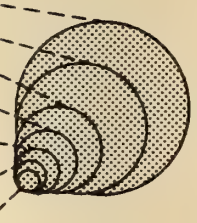
EMPLOYMENT IN MINING BY COUNTY: 1958

NEW MEXICO

RANK AMONG STATES
EMPLOYMENT -11
VALUE OF SHIPMENTS - 7



EMPLOYMENT

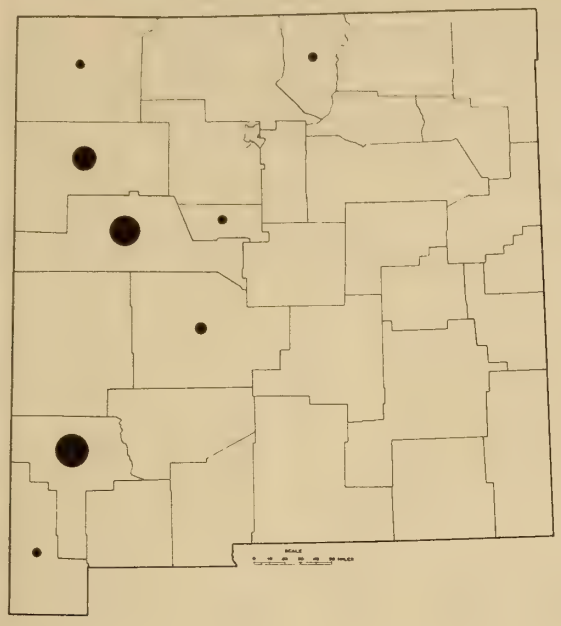


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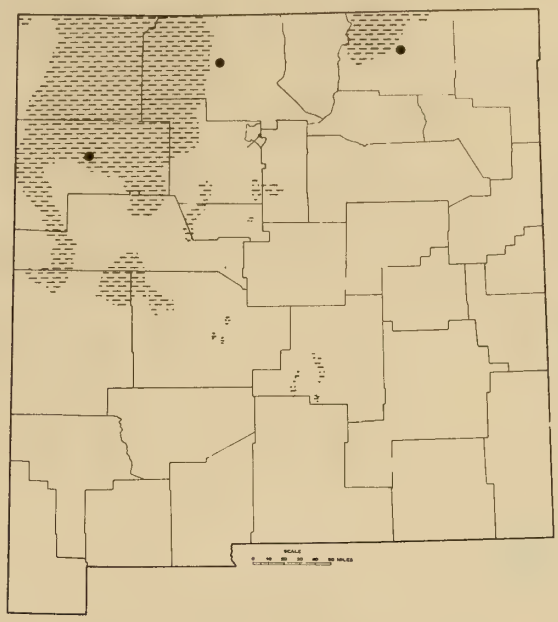
MINING IN NEW MEXICO

Employment For Industry Group By County: 1958

Metal Mining

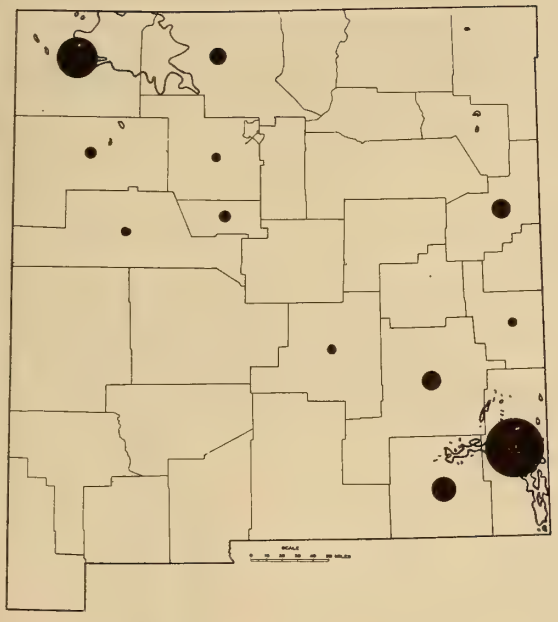


Coal Mining



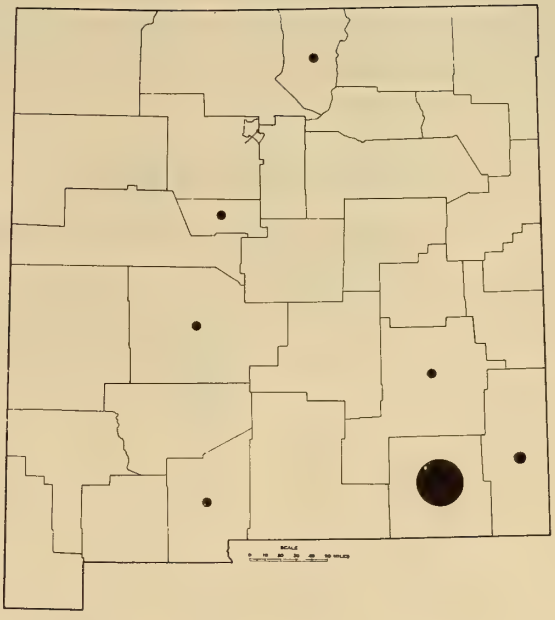
General Extent of Coal Fields

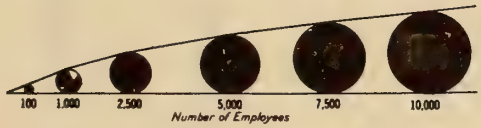
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	761	142	17,483	97,213	13,541	28,068	70,076	531,972	119,823	89,911	139,258	47,837	704,630	224,171	r19,431	r1,435
1954	691	119	13,934	65,784	11,545	23,599	51,274	[3]338,096	67,887	5,773	72,572	41,036	[3]403,274	121,656	12,384	1,073
Including operations in manufactures:																
1958	770	142	17,552	97,493	13,609	28,197	70,355	534,146	[4]120,090	89,911	[4]139,258	[5]47,837	707,071	[5]224,171	[5]19,431	r1,428
1954[6]	693	119	13,934	65,784	11,545	23,599	51,274	[3]338,096	[4]67,887	5,773	[4]72,572	[5]41,036	[3]403,274	[5]121,656	[5]12,384	1,073
1939[7]	[8]286	(NA)	8,921	12,720	8,065	14,817	10,605	44,683	6,955	(NA)	7,522	(NA)	59,160	(NA)	9,234	1,145
1929[9]	93	(NA)	7,638	11,558	7,116	(NA)	10,250	20,884	6,140	(NA)	118	1,209	27,142	(NA)	1,941	273
1919[10]	103	(NA)	7,688	11,912	7,216	(NA)	10,710	r13,373	5,357	10	133	(NA)	18,873	(NA)	[11]1,891	262
1909[10]	154	(NA)	5,833	4,336	5,429	(NA)	3,819	4,203	1,222	...	163	(NA)	5,588	(NA)	(NA)	(NA)
1902[10]	[8]320	(NA)	2,915	2,218	[12]2,633	(NA)	1,918	1,939	626	(NA)	121	(NA)	2,686	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, the figures represent net production and exclude this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, cost of contract work is included with cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Except for number of establishments, excludes data for 2 operations in manufacturing establishments.

[7]Includes data for 4 or less service establishments engaged in oil and gas field machine shop work. Such establishments were not classified in the mineral industries in 1954 or 1958.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes the oil and gas extraction industries; in 1939, there were about 179 operations reported in these industries with value of shipments and receipts amounting to about $37,649 thousand, but only one establishment was reported in these industries in 1919. Also, excludes common clay and shale operations; there were 4 such operations in 1939, with products valued at $422 thousand.

[10]Excludes data for sand, gravel, common clay, and shale operations. For 1929, only one producing sand and gravel establishment was reported.

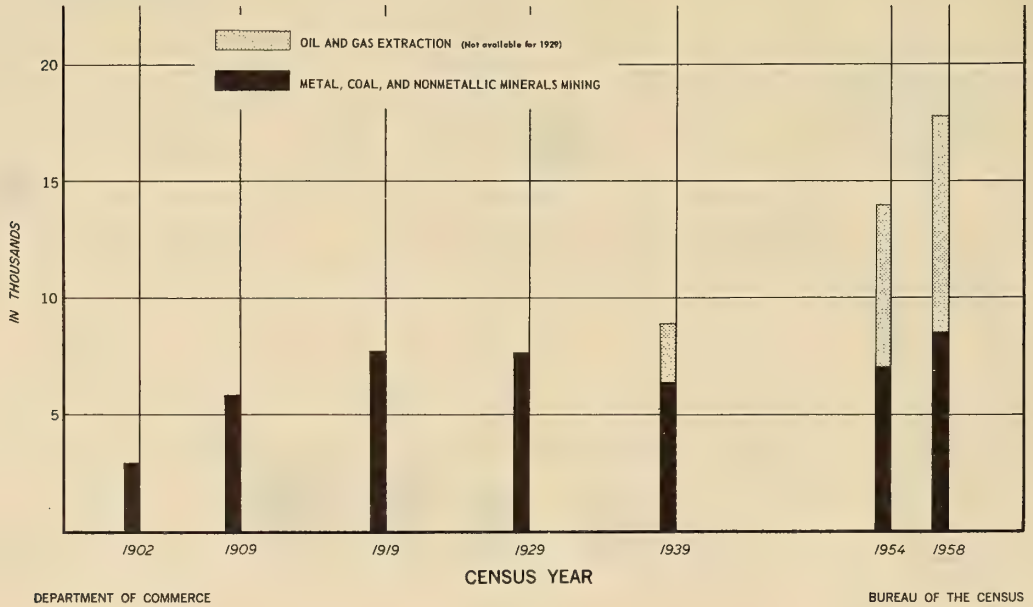
[11]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 0.9 percent of the total kwh equivalent of energy used.

[12]Figures for average employment were reduced to a 300-day basis for establishments which operated for a shorter period.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEW MEXICO



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	770	142	17,552	97,493	13,609	28,197	70,355	534,146	[2]397,096	[3]707,071	(NA)	(NA)	(NA)
	Mineral industries	761	142	17,483	97,213	13,541	28,068	70,076	531,972	396,829	704,630	224,171	13,934	[4]338,096
	Included in manufactures	9	...	[3]69	[3]280	[3]68	129	279	2,174	[2]267	[3]2,441	(NA)	(NA)	(NA)
10	Metal mining	110	20	4,206	24,165	3,502	7,373	18,686	82,423	106,395	118,649	70,169	(NA)	(NA)
108	Metal mining services (metal mining services, nec)	6	2	215	1,597	207	487	1,550	2,630	1,507	4,062	75	(NA)	(NA)
	Miscellaneous metal ores:													
1094	Uranium-radium-vanadium ores	49	11	2,184	13,792	1,801	4,197	10,781	62,787	79,449	77,394	64,842	421	(NA)
12	Bituminous coal mining (bituminous coal)	22	1	156	588	133	225	515	1,184	874	783	1,275	159	614
13	Oil and gas extraction	556	108	9,030	48,982	6,745	14,405	33,852	381,223	267,392	500,858	147,757	6,911	247,205
1311	Crude petroleum and natural gas	314	30	4,605	25,743	2,779	5,496	13,975	314,428	165,173	347,388	132,213	3,249	209,219
	Crude petroleum	266	27	3,367	19,893	1,865	3,812	9,876	280,831	123,954	313,961	90,824	2,870	194,155
	Natural gas	48	3	1,238	5,850	914	1,684	4,099	33,597	41,219	33,427	41,389	379	15,064
1321	Natural gas liquids	26	16	771	4,650	684	1,400	4,195	28,851	77,948	95,271	11,528	627	[5]12,520
138	Oil and gas field services	216	62	3,654	18,589	3,282	7,509	15,682	37,944	24,271	58,199	4,016	3,035	25,466
1381	Drilling oil and gas wells	92	37	2,114	11,593	1,911	4,457	9,960	23,865	16,701	38,284	2,282	2,007	18,724
1382	Oil and gas exploration services	21	7	415	2,308	355	913	1,777	4,475	4,258	8,041	692	1,028	6,742
1389	Oil and gas field service, nec.	103	18	1,125	4,688	1,016	2,139	3,945	9,604	3,312	11,874	1,042		
	Nonmetallic minerals mining	82	13	4,160	23,758	3,229	6,194	17,302	69,316	[2]22,435	86,781	(NA)	(NA)	(NA)
14	Mineral industries	73	13	4,091	23,478	3,161	6,065	17,023	67,142	22,168	84,340	4,970	(NA)	(NA)
	Included in manufactures	9	...	[3]69	[3]280	[3]68	129	279	2,174	[2]267	[3]2,441	(NA)	(NA)	(NA)
	Sand and gravel	31	4	359	1,550	320	645	1,293	5,826	[2]1,542	6,551	(NA)	(NA)	(NA)
1441	Mineral industry	26	4	309	1,323	270	545	1,066	3,769	1,309	4,261	817	161	3,092
	Included in manufactures	5	...	[3]50	[3]227	[3]50	100	227	2,057	[2]233	[3]2,290	(NA)	(NA)	(NA)
147	Chemical and fertilizer minerals	18	7	3,554	21,123	2,695	5,052	15,105	60,470	19,077	76,202	3,345	(NA)	(NA)
1474	Potash, soda, borate minerals	7	6	3,503	20,914	2,665	5,004	15,021	60,141	18,754	75,562	3,333	3,439	51,778
149	Miscellaneous minerals, nec	20	2	170	785	147	374	651	2,221	1,447	2,931	737	(NA)	(NA)
1495	Pumice and pumicite	10	...	60	254	52	109	220	813	368	1,032	149	64	850
1499	Nonmetallic minerals, nec	5	2	101	506	86	246	406	1,350	997	1,853	494	(NA)	(NA)

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations classified in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	396,829	119,823	89,911	139,258	47,837	224,171	86,049	138,122	xxx	xxx	xxx	xxx
10	Metal mining	106,395	25,239	26,286	45,984	8,886	70,169	9,292	60,877	xxx	xxx	xxx	xxx
1094	Uranium-radium-vanadium ores	79,449	14,080	14,903	45,677	4,789	64,842	8,811	56,031	[3]2,196	(NA)	...	...
12	Bituminous coal mining	874	192	...	100	582	1,275	5	1,270	(D)	(D)	...	...
13	Oil and gas extraction	267,392	78,378	63,615	92,489	32,910	147,757	76,338	71,419	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	165,173	56,605	...	86,074	22,494	132,213	76,308	55,905	xxx	346,027	xxx	1,675
	Crude petroleum	123,954	35,250	...	67,966	20,738	90,824	52,667	38,157	[4]93,486	276,599	[4]1,893	5,149
	Natural gas	41,219	21,355	...	18,108	1,756	41,389	23,641	17,748	[5]258,595	28,759	[5]437,224	37,195
1321	Natural gas liquids	77,948	4,763	63,615	2,970	6,600	11,528	...	11,528	[6]16,903	[6]32,421	...	...
138	Oil and gas field services	24,271	17,010	...	3,445	3,816	4,016	30	3,986	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	16,701	12,328	...	2,236	2,137	2,282	29	2,253	xxx	[7]37,872	xxx	([7])
1382	Oil and gas exploration services	4,258	2,516	...	1,063	679	692	...	692	xxx	[7]7,100	xxx	([7])
1384	Oil and gas field services, nec	3,312	2,166	...	146	1,000	1,042	1	1,041	xxx	[7]11,976	xxx	([7])
14	Nonmetallic minerals mining	22,168	16,014	10	685	5,459	4,970	414	4,556	xxx	xxx	xxx	xxx
147	Chemical and fertilizer minerals	19,077	[8]14,211	([8])	487	4,379	3,345	320	3,025	xxx	xxx	xxx	xxx
1474	Potash, soda, borate minerals	18,754	13,915	...	467	4,372	3,333	319	3,014	3,662	(D)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. For service industries, represents receipts for primary services.
NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Represents crude uranium-vanadium ores mined.
[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.
[5]Represents millions of cubic feet of natural gas shipped.
[6]Represents net shipments of natural gas liquids only. Quantity is in thousands of barrels.
[7]Figures for receipts for services by establishments classified in other mineral industries are included with those for such receipts by establishments classified in the specified industry.
[8]Figure for the cost of minerals received for preparation is combined with the figure for the cost of supplies, purchases for resale, and purchased fuels and electricity.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	537	471	366	44	24	298	69	27	38	4	36	66
	Number of employees	[3]13,610	[3]13,389	[3]6,010	547	842	[3]4,621	5,778	4,269	432	1,077	1,601	221
	Value added in mining, $1,000	[3]491,398	[3]492,642	[3]335,875	8,280	10,801	[3]316,794	121,461	78,537	(D)	(D)	35,306	([4])
10	Metal mining:												
	Number of establishments	104	68	47	33	12	2	15	7	6	2	6	36
	Number of employees	3,991	3,825	1,321	(D)	791	(D)	1,694	(D)	(D)	(D)	810	166
	Value added in mining, $1,000	79,793	79,600	18,695	(D)	(D)	(D)	54,957	(D)	(D)	(D)	5,948	193
1021	Copper ores:												
	Number of establishments	11	6	3	2	1	...	2	1	1	...	1	5
	Number of employees	1,416	1,375	738	(D)	(D)	...	(D)	(D)	(D)	...	(D)	41
	Value added in mining, $1,000	(D)	(D)	(D)	(D)	(D)	...	(D)	(D)	(D)	...	(D)	78
1094	Uranium-radium-vanadium ores:												
	Number of establishments	49	33	27	24	2	1	4	3	...	1	2	16
	Number of employees	2,184	2,143	459	432	(D)	(D)	(D)	531	...	(D)	(D)	41
	Value added in mining, $1,000	62,787	62,747	7,353	6,731	(D)	(D)	(D)	(D)	...	(D)	(D)	40
12	Bituminous coal mining:												
	Number of establishments	22	22	12	11	1	...	10	9	1	...	...	...
	Number of employees	156	156	50	(D)	(D)	...	106	(D)	(D)	...	...	...
	Value added in mining, $1,000	1,184	1,184	390	(D)	(D)	...	794	(D)	(D)	...	...	...
13	Oil and gas extraction:												
	Number of establishments	340	317	291	...	...	291	...	...	...	...	26	23
	Number of employees	5,376	5,345	4,574	...	...	4,574	...	...	...	...	771	31
	Value added in mining, $1,000	343,279	344,861	316,010	...	...	316,010	...	...	...	...	28,851	([4])
14	Nonmetallic minerals mining:												
	Number of establishments	71	64	16	...	11	5	44	11	31	2	4	7
	Number of employees	[3]4,087	[3]4,063	[3]65	...	(D)	(D)	3,978	3,541	(D)	(D)	20	24
	Value added in mining, $1,000	[3]67,142	[3]66,997	[3]780	...	(D)	(D)	65,710	(D)	(D)	(D)	507	145
1441	Sand and gravel:												
	Number of establishments	26	26	8	...	3	5	17	...	15	2	1	...
	Number of employees	309	309	27	...	(D)	(D)	(D)	...	239	(D)	(D)	...
	Value added in mining, $1,000	3,769	3,769	410	...	(D)	(D)	(D)	...	(D)	(D)	(D)	...
147	Chemical and fertilizer minerals:												
	Number of establishments	18	14	1	...	1	...	11	11	...	...	2	4
	Number of employees	3,554	3,543	(D)	...	(D)	...	3,541	3,541	...	...	(D)	11
	Value added in mining, $1,000	60,470	(D)	(D)	...	(D)	...	(D)	(D)	...	...	(D)	(D)
1474	Potash, soda, borate minerals:												
	Number of establishments	7	6	...	...	...	...	6	6	...	...	...	1
	Number of employees	3,503	(D)	...	...	...	...	(D)	(D)	...	...	...	(D)
	Value added in mining, $1,000	60,141	(D)	...	...	...	...	(D)	(D)	...	...	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for one sand and gravel establishment for which the method of mining was not specified.
[3]Includes data for 2 nonmetallic minerals services establishments.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEW MEXICO													
	All mineral operations	770	142	17,552	97,493	13,609	28,197	70,355	534,146	[3]397,096	[4]707,071	(NA)	(NA)	(NA)
	Mineral industries	761	142	17,483	97,213	13,541	28,068	70,076	531,972	396,829	704,630	224,171	13,934	[5]338,096
	Included in manufactures	9	...	[4]69	[4]280	[4]68	129	279	2,174	[3]267	[4]2,441	(NA)	(NA)	(NA)
	COUNTIES													
	Bernalillo (mineral industries only)	31	5	339	1,694	(NA)	(NA)	(NA)	(NA)	(NA)	1,495	(NA)	[6]258	(NA)
13	Oil and gas extraction	10	3	222	1,238	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[6]87	(NA)
14	Nonmetallic minerals mining (mineral industries only)	12	2	89	328	77	134	285	1,236	354	1,463	127	(NA)	(NA)
144	Sand and gravel (mineral industries only)	8	2	83	312	71	122	269	1,210	344	1,433	121	(NA)	(NA)
	Chaves (mineral industries only)	86	8	605	3,262	(NA)	(NA)	(NA)	(NA)	(NA)	10,671	(NA)	[6]248	(NA)
13	Oil and gas extraction, total	82	7	566	3,115	(NA)	(NA)	(NA)	(NA)	(NA)	10,232	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	49	7	472	2,639	(NA)	(NA)	(NA)	(NA)	(NA)	8,359	(NA)	87	(NA)
138	Oil and gas field services	33	...	94	476	(NA)	(NA)	(NA)	(NA)	(NA)	1,873	(NA)	(NA)	(NA)
12	Colfax	8	1	88	375	75	128	332	718	805	261	1,262	[7]63	[7]351
	Dona Ana (mineral industries only)	5	...	26	108	22	52	98	405	125	496	34	14	138
	Eddy:													
	Including oil and gas extraction	175	17	4,186	24,419	(NA)	(NA)	(NA)	(NA)	(NA)	99,323	(NA)	[6]3,888	(NA)
	Excluding oil and gas extraction	14	6	3,354	19,932	2,552	4,796	14,345	57,485	17,165	71,923	2,727	(NA)	(NA)
13	Oil and gas extraction	161	11	832	4,487	(NA)	(NA)	(NA)	(NA)	(NA)	27,400	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	83	6	404	2,259	(NA)	(NA)	(NA)	(NA)	(NA)	18,262	(NA)	390	(NA)
147	Chemical and fertilizer minerals	11	6	3,323	19,789	2,527	4,748	14,230	57,300	16,950	71,596	2,654	3,439	51,778
	Grant (mineral industries only)	31	4	1,581	(D)	1,300	(D)	(D)	(D)	(D)	(D)	(D)	2,098	(D)
	Hidalgo	5	...	38	169	(NA)	(NA)	(NA)	(NA)	(NA)	545	(NA)	[6]133	(D)
	Lea, total	395	74	5,094	27,501	(NA)	(NA)	(NA)	(NA)	(NA)	363,080	(NA)	[5] [6]2,490	(NA)
131	Crude petroleum and natural gas	170	22	2,011	11,246	(NA)	(NA)	(NA)	(NA)	(NA)	266,400	(NA)	1,998	(NA)
138	Oil and gas field services	203	38	2,269	11,492	(NA)	(NA)	(NA)	(NA)	(NA)	39,386	(NA)	(NA)	(NA)
132 and 14	Natural gas liquids and Nonmetallic minerals mining	22	14	814	4,763	693	1,393	3,946	23,941	41,426	57,294	8,073	(NA)	(NA)
	Luna	9	...	39	150	(NA)	(NA)	(NA)	(NA)	(NA)	97	(NA)	55	296
	McKinley:													
	Including oil and gas extraction	50	11	1,041	6,756	(NA)	(NA)	(NA)	(NA)	(NA)	26,824	(NA)	[6]160	(NA)
	Excluding oil and gas extraction	38	9	898	5,935	803	1,773	4,953	9,169	48,084	16,910	40,343	(NA)	(NA)
10	Metal mining, total	31	9	868	5,843	775	1,732	4,867	8,904	48,029	16,590	40,343	(NA)	(NA)
108	Metal mining services	5	2	128	1,065	126	305	1,045	1,714	1,025	2,702	37	(NA)	(NA)
109	Miscellaneous metal ores	26	7	740	4,778	649	1,427	3,822	7,190	47,004	13,888	40,306	(NA)	(NA)
13	Oil and gas extraction	12	2	143	821	(NA)	(NA)	(NA)	(NA)	(NA)	9,914	(NA)	(NA)	(NA)
	Otero (mineral industries only)	4	...	22	73	(NA)	(NA)	(NA)	(NA)	(NA)	270	(NA)	(NA)	(NA)
	Quay	8	...	446	2,488	(NA)	(NA)	(NA)	(NA)	(NA)	8,879	(NA)	(NA)	(NA)
	Rio Arriba:													
	Including oil and gas extraction	77	6	378	1,829	(NA)	(NA)	(NA)	(NA)	(NA)	8,987	(NA)	[5]102	(NA)
	Excluding oil and gas extraction	7	...	48	154	41	81	129	284	87	327	44	49	[5]490
13	Oil and gas extraction, total	70	6	330	1,675	(NA)	(NA)	(NA)	(NA)	(NA)	8,660	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	29	...	6	34	(NA)	(NA)	(NA)	(NA)	(NA)	2,697	(NA)	53	(NA)
138	Oil and gas field services	41	6	324	1,641	(NA)	(NA)	(NA)	(NA)	(NA)	5,963	(NA)	(NA)	(NA)
	Roosevelt	23	1	69	362	(NA)	(NA)	(NA)	(NA)	(NA)	3,251	(NA)	[6]75	(NA)
131	Crude petroleum and natural gas	5	1	27	151	(NA)	(NA)	(NA)	(NA)	(NA)	2,351	(NA)	(NA)	(NA)
	Sandoval:													
	Including oil and gas extraction	24	...	43	207	(NA)	(NA)	(NA)	(NA)	(NA)	986	(NA)	(NA)	(NA)
	Excluding oil and gas extraction	4	...	15	65	14	25	61	247	55	287	15	23	88

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	San Juan (mineral industries only), total	175	26	2,473	13,144	(NA)	(NA)	(NA)	(NA)	(NA)	97,809	(NA)	[6]392	(NA)
131	Crude petroleum and natural gas	64	6	879	4,915	(NA)	(NA)	(NA)	(NA)	(NA)	35,572	(NA)	280	(NA)
138	Oil and gas field services	98	17	1,357	6,873	(NA)	(NA)	(NA)	(NA)	(NA)	23,105	(NA)	(NA)	(NA)
10, 12, 132, and 14	Other mineral industries	13	3	237	1,356	214	423	1,260	7,895	33,341	39,132	2,104	112	(D)
	Santa Fe	11	...	66	234	41	71	128	174	392	399	167	[6]67	(NA)
	Socorro	22	5	315	1,216	280	594	1,073	3,552	1,393	4,532	413	105	848
106	Ferroalloy ores	12	2	141	381	123	244	330	1,570	393	1,834	129	46	394
	Taos	5	2	96	445	89	221	409	(D)	473	(D)	507	69	(D)
	Valencia	17	4	1,356	8,577	(NA)	(NA)	(NA)	(NA)	(NA)	49,204	(NA)	360	[5]134
13	Undistributed (oil and gas extraction), total	106	7	891	4,867	(NA)	(NA)	(NA)	(NA)	(NA)	15,295	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	23	...	128	716	(NA)	(NA)	(NA)	(NA)	(NA)	5,582	(NA)	(NA)	(NA)
138	Oil and gas field services	83	7	763	4,151	(NA)	(NA)	(NA)	(NA)	(NA)	9,713	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Excludes data for Oil and Gas Field Services Industries.
[7]Represents Bituminous coal mining only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
New Mexico, total...	770	761	9	1	11	15	2	...	24	6	51	22	...	314	26	216	...	2	5	1	26	5	2	1	18	2	20	...
No employees.....	100	100	...	...	1	...	2	...	4	...	3	2	...	69	...	12	...	...	...	...	3	...	1	...	3	...	...	...
1-4 employees.....	292	290	2	...	3	8	...	...	12	...	22	9	...	143	2	62	...	1	1	...	8	1	1	...	7	1	11	...
5-9 employees.....	114	110	4	...	1	2	...	...	3	3	8	8	...	37	3	32	...	1	2	1	7	1	...	1	1	...	3	...
10-19 employees...	122	119	3	1	3	4	...	...	2	1	7	2	...	35	5	48	...	...	2	...	4	3	...	...	...	1	4	...
20-49 employees...	82	82	...	...	1	...	...	...	2	...	1	...	...	12	13	47	...	...	...	...	3	...	...	...	1	...	2	...
50-99 employees...	31	31	...	...	...	1	...	...	1	...	5	1	...	8	3	11	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	19	19	...	...	...	...	...	...	...	2	4	...	...	8	...	4	...	...	...	...	...	...	...	...	1	...	...	...
250-499 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...
500-999 employees.	6	6	...	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...
1,000 and over employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Bernalillo:																												
0-19 employees....	27	26	1	...	...	...	...	...	1	1	7	...	...	6	...	1	...	...	...	...	6	1	...	...	...	...	4	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Catron:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chaves:																												
0-19 employees....	79	78	1	...	...	...	...	...	...	...	...	...	...	42	...	33	...	...	...	...	3	1	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Colfax:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Curry:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
De Baca:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Dona Ana:																												
0-19 employees....	7	5	2	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	2	...
Eddy:																												
0-19 employees....	158	158	...	...	...	...	...	...	...	1	...	...	...	77	2	71	...	...	1	...	...	...	...	...	5	1	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	6	...	5	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Grant:																												
0-19 employees....	29	27	2	1	4	7	2	...	1	5	3	...	...	...	...	1	...	1	1	1	...	...	...	...	2	...	...	...
20-99 employees...	2	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Guadalupe:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Harding:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Hidalgo:																												
0-19 employees....	5	5	...	...	2	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Lea:																												
0-19 employees....	321	321	...	...	...	...	...	...	...	...	...	...	...	148	5	165	...	...	...	...	1	...	...	...	2	...	...	...
20-99 employees...	67	67	...	...	...	...	...	...	...	...	...	...	...	17	13	37	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Lincoln:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Luna:																											
0-19 employees....	9	9	...	...	...	2	...	...	2	...	...	...	...	2	...	1	...	...	...	...	1	...	...	...	1	...	...	...
McKinley:																											
0-19 employees....	39	39	...	...	...	...	...	...	...	3	19	6	...	2	...	8	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	2	6	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mora:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Otero:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	1	...	...	...	...	...	...
Quay:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	1	...	...	...	...	...	...	...
Rio Arriba:																											
0-19 employees....	71	71	...	...	...	...	...	...	...	...	...	3	...	29	...	35	...	...	...	...	...	...	...	...	...	...	4	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Roosevelt:																											
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	4	...	17	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sandoval:																											
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	1	...	7	1	12	...	...	...	...	1	...	...	...	...	...	2	...
San Juan:																											
0-19 employees....	150	149	1	...	...	...	...	...	...	1	2	1	...	58	2	81	...	...	...	...	3	1	1	...	...	...	...	...
20-99 employees...	22	22	...	...	...	...	...	...	...	...	...	...	...	5	2	15	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Miguel:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...
Santa Fe:																											
0-19 employees....	11	11	...	...	2	...	...	...	1	...	1	2	...	...	...	...	...	...	...	...	1	...	...	...	...	1	3	...
Sierra:																											
0-19 employees....	4	4	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Socorro:																											
0-19 employees....	17	17	...	...	...	5	...	...	10	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Taos:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Union:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Valencia:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	2	6	...	...	...	...	3	...	...	1	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	99	99	...	...	...	...	...	...	...	...	...	...	...	23	...	76	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

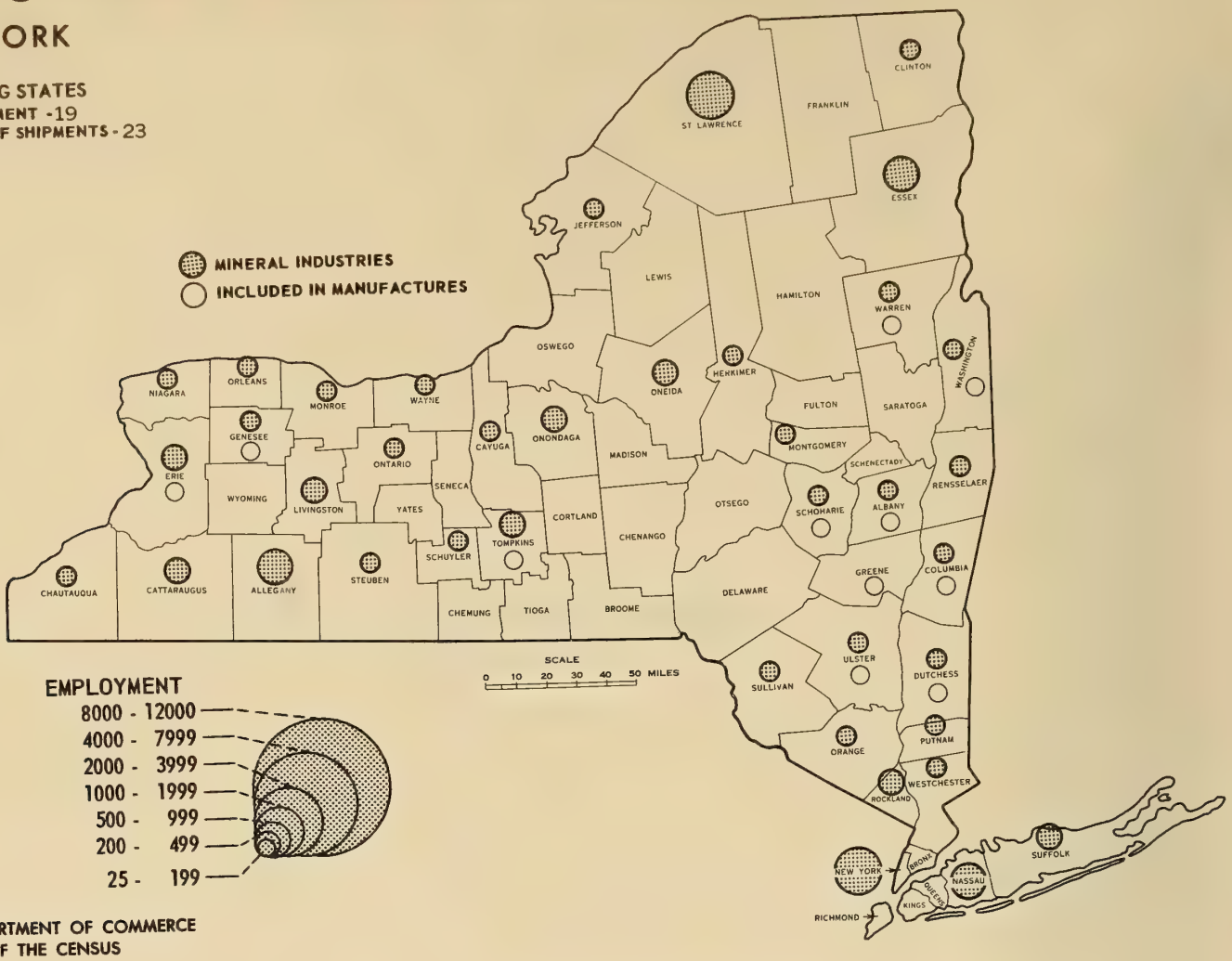
NEW YORK

29-1

EMPLOYMENT IN MINING BY COUNTY: 1958

NEW YORK

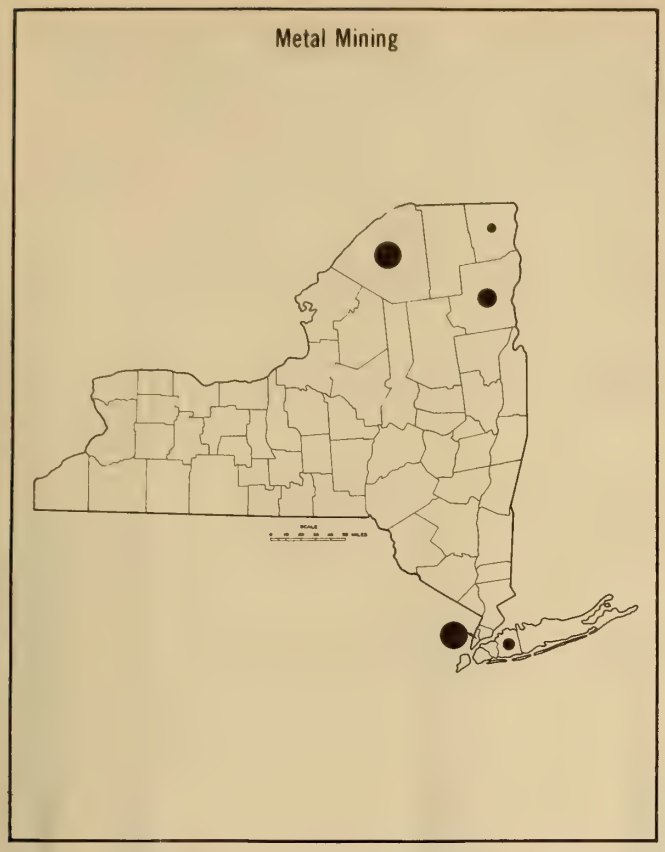
RANK AMONG STATES
EMPLOYMENT - 19
VALUE OF SHIPMENTS - 23

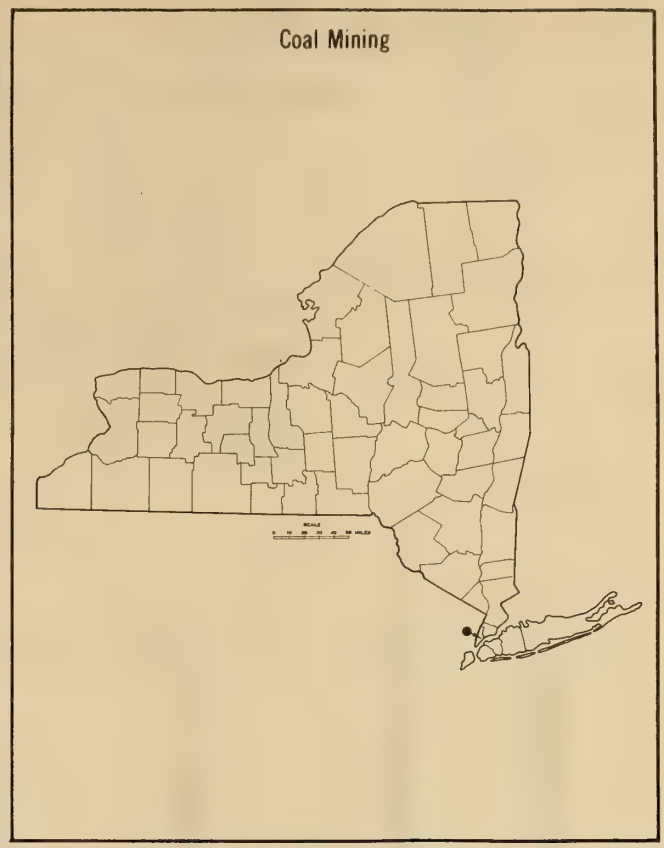


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN NEW YORK

Employment For Industry Group By County: 1958











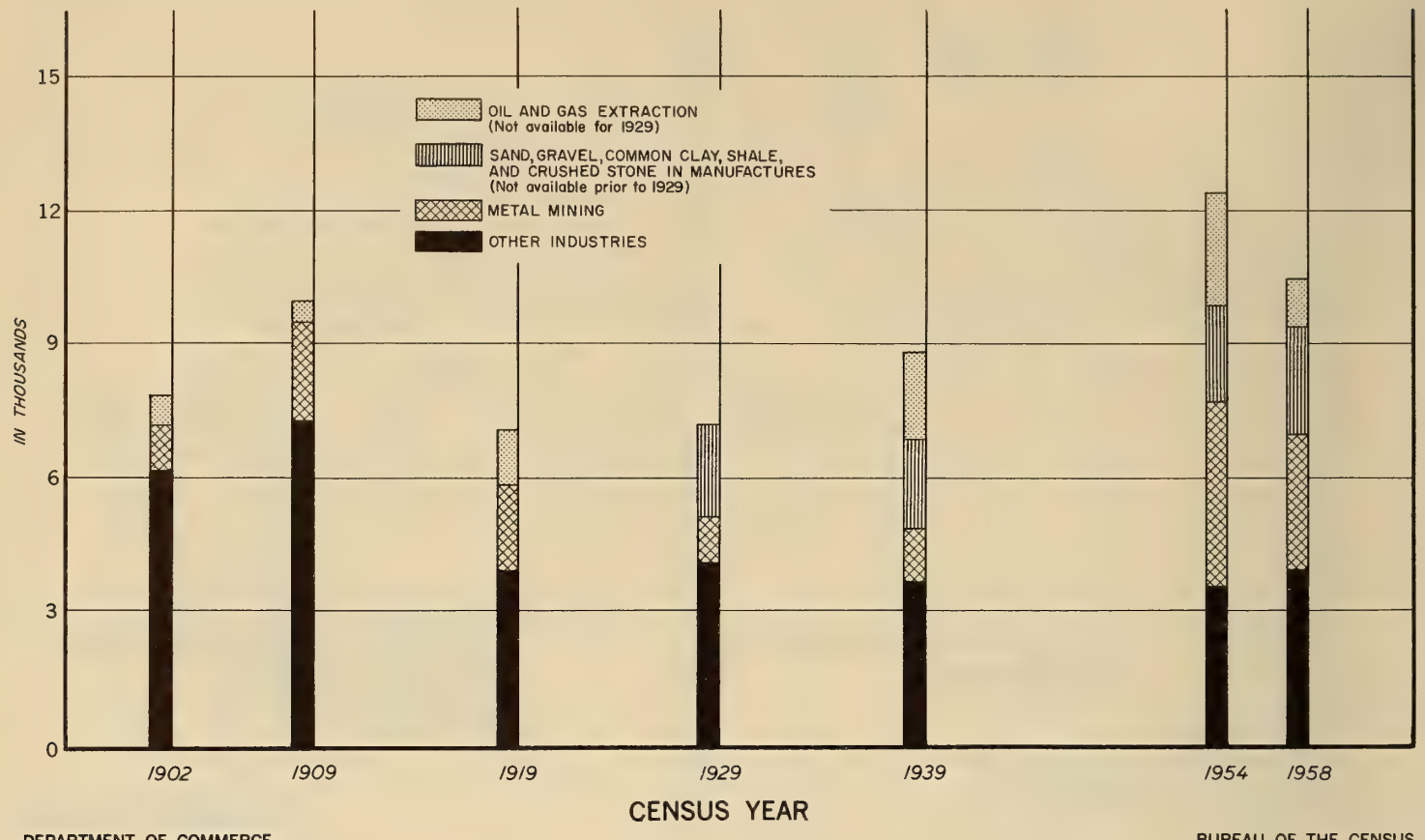
U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NEW YORK



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	543	69	9,657	57,027	6,405	13,626	34,002	115,960	29,493	4,979	4,021	5,930	147,603	12,780	r2,766	r432
1954	629	68	11,517	62,881	7,641	16,907	35,247	96,838	26,460	340	4,961	12,194	128,393	12,400	3,256	426
Including operations in manufactures:																
All operations:																
1958	622	82	10,460	60,533	7,177	15,142	37,400	129,591	[2]31,925	4,979	[2]4,038	[3]6,058	163,658	[3]12,933	r[3]2,772	r386
1954[4]	694	80	12,364	66,310	8,469	18,612	38,544	104,719	[2]28,672	340	[2]5,028	[3]12,234	138,508	[3]12,485	[3]3,268	386
1939[5]	[6]518	(NA)	8,737	15,430	7,044	14,682	9,696	32,817	6,982	(NA)	1,431	(NA)	41,230	(NA)	1,700	241
Excluding oil and gas extraction industries:																
1958	387	75	9,366	54,500	6,478	13,811	34,825	122,144	[2]30,234	4,979	[2]2,910	[3]5,695	154,900	[3]11,062	r[3]2,445	r377
1954[4]	387	71	9,858	54,102	7,288	16,347	34,779	95,708	[2]25,082	340	[2]4,009	[3]11,320	127,050	[3]9,409	2,777	381
1939[7]	[6]291	(NA)	6,861	12,517	5,483	11,710	7,702	22,150	5,998	(NA)	159	(NA)	28,307	(NA)	1,183	216
1929[8]	261	(NA)	7,124	12,567	6,432	(NA)	10,030	28,448	7,491	(NA)	106	1,710	36,045	(NA)	1,248	194
Excluding sand, gravel, common clay, and shale operations and stone quarries operated as parts of cement and lime plants:																
1958	358	59	[9]8,328	[9]48,456	[9]5,498	[9]11,606	[9]28,396	[9]96,728	[9]25,760	4,930	[2]3,228	[3]4,406	[9]124,356	[3]10,696	r[3]2,383	r433
1954	429	56	10,217	56,114	6,665	14,505	30,273	77,883	[2]23,251	340	[2]4,124	[3]9,741	104,738	[3]10,601	[3]3,107	466
1939[10]	[6]349	(NA)	6,741	12,150	5,286	(NA)	7,002	25,069	5,416	(NA)	1,369	(NA)	31,854	(NA)	(NA)	(NA)
1919	700	(NA)	7,017	8,929	6,202	(NA)	7,497	15,524	6,126	2,692	789	(NA)	25,131	(NA)	[11]1,423	229
1909	1,356	(NA)	9,950	5,433	9,316	(NA)	4,723	10,212	2,540	66	517	(NA)	13,335	(NA)	(NA)	(NA)
1902[12]	[6]699	(NA)	7,858	4,592	[13]7,197	(NA)	3,947	7,713	1,630	(NA)	351	(NA)	9,694	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing sandstone and slate at such operations was $78 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for granite is not available.

[6]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[7]Includes data for one natural gas liquids plant and 4 nonproducing crude petroleum and natural gas establishments. See also footnote 5.

[8]Excludes data for common clay and shale mining operations. In 1939, there were 34 such mines with products valued at $420 thousand. Also, excludes data for 2 nonproducing establishments.

[9]Includes data for 24 sand and gravel mining operations in manufacturing establishments with products valued at less than $3 million.

[10]Includes data for 4 or less limestone quarries operated as parts of lime plants and for one nonproducing sand and gravel establishment. See also footnote 5.

[11]Excludes purchased electricity. For such operations in 1954, the quantity of purchased electricity amounted to only 9 percent of the total kwh equivalent of energy used.

[12]Includes data for lime plants producing lime valued at $561 thousand.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	622	82	[2]10,460	[2]60,533	7,177	15,142	37,400	129,591	[3]47,000	[4]163,658	[5]12,933	12,364	104,719
	Mineral industries	543	69	[2]9,657	[2]57,027	6,405	13,626	34,002	115,960	44,423	147,603	12,780	11,517	96,838
	Included in manufactures	79	13	[4]803	[4]3,506	[4]772	1,516	3,398	13,631	[3]2,577	[4]16,055	[5]153	[4]847	7,881
10	Metal mining	12	9	3,295	18,569	1,738	3,502	9,504	32,635	16,369	46,567	2,437	4,119	28,031
1011	Iron ores	4	3	1,051	6,786	872	1,864	5,411	16,472	7,470	21,576	2,366	(NA)	(NA)
108	Metal mining services	3	2	125	665	112	230	576	1,103	520	1,622	1	(NA)	(NA)
13	Oil and gas extraction	235	7	1,094	6,033	699	1,331	2,575	7,447	3,182	8,758	1,871	2,506	9,011
1311	Crude petroleum and natural gas	200	6	987	5,617	600	1,115	2,191	6,725	2,824	7,725	1,824	2,345	7,965
	Crude petroleum	183	5	889	4,983	527	971	1,882	5,649	1,551	6,694	506	2,078	6,998
	Natural gas	17	1	98	634	73	144	309	1,076	1,273	1,031	1,318	267	967
138	Oil and gas field services	35	1	107	416	99	216	384	722	358	1,033	47	161	1,046
1381	Drilling oil and gas wells	19	1	71	296	66	148	270	483	283	727	39	136	854
	Nonmetallic minerals mining	375	66	5,989	35,139	4,740	10,309	25,321	89,509	27,449	[4]108,333	8,625	5,739	67,677
14	Mineral industries	296	53	5,186	31,633	3,968	8,793	21,923	75,878	24,872	92,278	8,472	4,892	59,796
	Included in manufactures	79	13	[4]803	[4]3,506	[4]772	1,516	3,398	13,631	[3]2,577	[4]16,055	[5]153	[4]847	7,881
1411	Dimension stone (Mineral industry only)	14	...	69	228	65	133	216	473	58	515	16	55	380
	Dimension stone, nec	23	3	241	707	206	389	587	1,457	749	2,044	162	262	1,387
	Mineral subindustry	10	...	58	178	54	113	166	371	35	396	10	262	1,387
	Included in manufactures	13	3	183	529	152	276	421	1,086	714	1,648	152		
	Crushed and broken stone	76	36	2,311	12,944	1,912	4,256	10,506	35,918	13,576	[4]44,614	(NA)	2,177	23,316
1421	Mineral industry	63	30	2,068	11,812	1,669	3,770	9,374	30,195	12,616	37,931	4,880	1,914	23,316
	Included in manufactures	13	6	[4]243	[4]1,132	[4]243	486	1,132	5,723	[3]960	[4]6,683	(NA)	[4]263	
	Crushed and broken limestone (Mineral subindustry only)	51	26	1,697	9,229	1,431	3,230	7,843	23,892	11,019	31,247	3,664	(NA)	(NA)
1441	Sand and gravel (Mineral industry only)	203	15	1,753	10,234	1,308	2,783	7,237	25,375	7,325	30,494	2,206	1,777	23,542
	Common sand and gravel (Mineral subindustry only)	187	15	1,646	9,643	1,259	2,677	7,072	24,740	7,138	29,721	2,157	1,707	23,026
	Molding sand subindustry	16	...	107	591	49	106	165	635	187	773	49	70	516
	Clay and related minerals (Clay and related minerals, nec)	24	2	[4]136	[4]711	[4]128	267	635	1,765	[3]391	[4]2,125	(NA)	[4]129	1,184
	Miscellaneous minerals, nec: Gypsum	5	4	[4]242	[4]1,254	[4]239	475	1,231	2,857	[3]903	[4]3,472	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Includes figures for separately reported central offices and related facilities in the Anthracite and Bituminous Coal Industry.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	44,423	29,493	4,979	4,021	5,930	12,780	3,942	8,838	xxx	xxx	xxx	xxx
10	Metal mining.....	16,369	9,673	(D)	(D)	333	2,437	(D)	(D)	xxx	xxx	xxx	xxx
1011	Iron ores.....	7,470	(D)	(D)	(D)	166	2,366	(D)	(D)	[3]1,943	[3]24,325	([3])	([3])
13	Oil and gas extraction.....	3,182	1,691	...	1,128	363	1,871	1,198	673	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	2,824	1,410	...	1,118	296	1,824	1,198	626	xxx	7,683	xxx	7
	Crude petroleum.....	1,551	1,086	...	322	143	506	229	277	[4]1,647	6,682	[4]9	17
14	Nonmetallic minerals mining.....	24,872	18,129	(D)	(D)	5,234	8,472	(D)	(D)	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	12,616	9,210	117	481	2,808	4,880	374	4,506	18,961	37,398	[5]5,799	[5]10,242
	Crushed and broken limestone.	11,019	7,961	53	461	2,544	3,664	340	3,324	16,325	30,778	[5]5,747	[5]10,004
1441	Sand and gravel.....	7,325	(D)	(D)	810	1,646	2,206	91	2,115	25,524	[6]32,423	[5]2,110	([6])
	Common sand and gravel.....	7,138	(D)	(D)	795	1,633	2,157	91	2,066	25,113	[6]31,541	[5]2,152	([6])

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Represents direct-shipping iron ore, iron concentrates for consumption, and iron agglomerates. Figures for shipments of primary products by establishments classified in other industries are included with those for shipments of primary products by establishments classified in the specified industry. Quantity represents thousands of long tons.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Includes data for minerals produced and used in the same establishment in making manufactured products.

[6]Figures for the value of shipments of primary products by establishments classified in other industries are included with those for the value of shipments of primary products by establishments classified in the specified industry. See also footnote 5.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	505	490	273	1	61	211	214	8	193	13	3	15
	Number of employees	[3]9,425	7,957	1,175	(D)	149	(D)	6,356	1,560	4,515	281	426	37
	Value added in mining...$1,000	114,135	114,109	9,157	(D)	1,753	(D)	95,038	23,636	67,567	3,835	9,914	26
10	Metal mining:												
	Number of establishments	9	8	1	1	...	...	6	3	2	1	1	1
	Number of employees	3,170	(D)	(D)	(D)	...	...	(D)	721	(D)	(D)	(D)	(D)
	Value added in mining...$1,000	31,532	(D)	(D)	(D)	...	...	(D)	5,473	(D)	(D)	(D)	(D)
1011	Iron ores:												
	Number of establishments	4	4	1	1	...	...	3	1	1	1	...	...
	Number of employees	1,051	1,051	(D)	(D)	...	...	(D)	(D)	(D)	(D)	...	...
	Value added in mining...$1,000	16,472	16,472	(D)	(D)	...	...	(D)	(D)	(D)	(D)	...	...
1311	Crude petroleum and natural gas:												
	Number of establishments	200	190	190	...	...	190	...	...	...	...	...	10
	Number of employees	987	977	977	...	...	977	...	...	...	...	...	10
	Value added in mining...$1,000	6,725	6,761	6,761	...	...	6,761	...	...	...	...	...	[4]
14	Nonmetallic minerals mining:												
	Number of establishments	296	292	82	...	61	21	205	5	191	12	2	4
	Number of employees	5,186	(D)	(D)	...	149	(D)	(D)	839	(D)	(D)	(D)	(D)
	Value added in mining...$1,000	75,878	(D)	(D)	...	1,753	(D)	(D)	18,163	(D)	(D)	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	63	61	2	...	2	...	58	...	58	...	1	2
	Number of employees	2,068	(D)	(D)	...	(D)	...	2,018	...	2,018	...	(D)	(D)
	Value added in mining...$1,000	30,195	(D)	(D)	...	(D)	...	29,813	...	29,813	...	(D)	(D)
	Crushed and broken limestone:												
	Number of establishments	51	50	2	...	2	...	47	...	47	...	1	1
	Number of employees	1,697	(D)	(D)	...	(D)	...	(D)	...	(D)	...	(D)	(D)
	Value added in mining...$1,000	23,892	(D)	(D)	...	(D)	...	(D)	...	(D)	...	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	203	202	64	...	43	21	134	...	125	12	1	1
	Number of employees	1,753	(D)	(D)	...	69	(D)	(D)	...	1,296	(D)	(D)	(D)
	Value added in mining...$1,000	25,375	(D)	(D)	...	1,160	(D)	(D)	...	18,057	(D)	(D)	(D)
	Common sand and gravel:												
	Number of establishments	187	186	62	...	41	21	120	...	108	12	4	1
	Number of employees	1,646	(D)	102	...	(D)	(D)	(D)	...	1,191	(D)	(D)	(D)
	Value added in mining...$1,000	24,740	(D)	1,678	...	(D)	(D)	(D)	...	17,465	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 21 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 8 sand and gravel establishments for which the method of mining was not specified.
[3]Includes data for employees at separately reported central offices and related facilities not distributed by type of operation.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NEW YORK:													
	All mineral operations	622	82	10,460	60,533	7,177	15,142	37,400	129,591	[3]47,000	[4]163,658	[5]12,933	12,364	104,719
	Mineral industries	543	69	9,657	57,027	6,405	13,626	34,002	115,960	44,423	147,603	12,780	11,517	96,838
	Included in manufactures	79	13	[4]803	[4]3,506	[4]772	1,516	3,398	13,631	[3]2,577	[4]16,055	[5]153	[4]847	7,881
	COUNTIES													
	Albany:													
	Including operations in manufactures	14	2	[4]170	[4]890	[4]130	279	676	1,997	(D)	[4]3,297	(D)	[4]120	1,304
14	Mineral industries only	9	2	136	757	97	217	545	1,662	1,320	2,931	51	109	1,144
	Allegany, total	137	4	536	2,185	(NA)	(NA)	(NA)	(NA)	(NA)	5,020	(NA)	[6]801	(NA)
13	Oil and gas extraction	133	4	506	2,060	(NA)	(NA)	(NA)	(NA)	(NA)	4,668	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	115	4	455	1,862	(NA)	(NA)	(NA)	(NA)	(NA)	4,457	(NA)	776	(NA)
144	Nonmetallic minerals mining (sand and gravel)	4	...	30	125	23	52	106	253	108	352	9	25	181
	Broome (mineral industries only)	7	...	23	130	23	44	130	295	163	390	68	42	501
	Cattaraugus, total	55	1	233	950	(NA)	(NA)	(NA)	(NA)	(NA)	3,058	(NA)	[6]252	(NA)
13	Oil and gas extraction	49	1	162	657	(NA)	(NA)	(NA)	(NA)	(NA)	2,184	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	38	1	133	544	(NA)	(NA)	(NA)	(NA)	(NA)	1,944	(NA)	196	(NA)
144	Nonmetallic minerals mining (sand and gravel)	6	...	71	293	58	123	229	671	322	874	119	56	549
	Chautauqua (mineral industries only)	7	...	31	122	(NA)	(NA)	(NA)	(NA)	(NA)	353	(NA)	[7]33	[7]272
	Columbia, total	10	2	134	596	126	248	562	2,328	[3]599	[4]2,856	[5]71	(NA)	(NA)
14	Mineral industries	4	...	52	231	44	83	197	451	260	640	71	44	406
	Included in manufactures	6	2	[4]82	[4]365	[4]82	165	365	1,877	[3]339	[4]2,216	(NA)	(NA)	(NA)
	Crushed and broken stone (including operations in manufactures)	4	2	[4]99	[4]462	[4]96	195	440	1,915	(D)	[4]2,339	(D)	(NA)	(NA)
	Dutchess:													
	Included in manufactures	21	3	[4]236	[4]1,546	[4]216	513	1,421	2,646	(D)	[4]3,835	(D)	(NA)	(NA)
14	Mineral industries only	17	2	198	1,370	178	436	1,265	2,247	(D)	3,412	(D)	222	3,977
	Erie, total	32	8	468	2,906	(NA)	(NA)	(NA)	(NA)	(NA)	[4]9,633	(NA)	657	(NA)
	Mineral industries	27	6	367	2,362	(NA)	(NA)	(NA)	(NA)	(NA)	7,510	(NA)	493	(NA)
	Included in manufactures	5	2	[4]101	[4]544	[4]101	200	544	1,847	[3]276	[4]2,123	(NA)	[4]164	2,147
14	Nonmetallic minerals mining (mineral industries only)	18	6	329	2,210	259	568	1,541	5,996	2,463	7,234	1,225	321	4,814
	Crushed and broken stone (including operations in manufactures)	5	3	[4]183	[4]1,190	[4]144	344	901	2,607	[3]1,418	[4]3,259	[5]766	(NA)	(NA)
	Sand and gravel (including operations in manufactures)	14	2	[4]102	[4]792	[4]74	143	435	3,461	[3]740	[4]4,030	[5]171	[8]118	[8]2,966
14	Franklin	3	...	16	41	14	27	36	89	6	91	4	(NA)	(NA)
	Genesee (mineral industries only)	6	3	114	446	(NA)	(NA)	(NA)	(NA)	(NA)	1,248	(NA)	117	(NA)
142	Crushed and broken stone	3	3	94	351	66	136	260	763	286	1,009	40	(NA)	(NA)
	Greene, total	9	2	86	402	(NA)	(NA)	(NA)	(NA)	(NA)	2,000	(NA)	(NA)	(NA)
	Mineral industries	4	...	23	91	(NA)	(NA)	(NA)	(NA)	(NA)	292	(NA)	108	1,331
	Included in manufactures	5	2	[4]63	[4]311	[4]63	125	311	619	[3]289	[4]1,708	(NA)	(NA)	(NA)
	Jefferson (mineral industries only)	6	1	67	218	60	90	185	847	(D)	958	(D)	37	96
	Madison (including operations in manufactures)	4	...	25	140	(NA)	(NA)	(NA)	(NA)	(NA)	366	(NA)	(NA)	(NA)
14	Monroe (mineral industries only)	10	3	159	1,105	131	351	797	1,950	1,015	2.706	259	[9]178	[9]2,139
	Nassau (mineral industries only)	13	4	511	3,145	452	921	2,650	13,115	7,101	19,870	346	303	5,477
	New York	3	...	1,921	10,803	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Oneida (mineral industries only)	16	4	293	1,140	(NA)	(NA)	(NA)	(NA)	(NA)	3,748	(NA)	128	1,658
144	Sand and gravel (mineral industries only)	8	1	114	451	72	200	279	1,371	223	1,542	52	(NA)	(NA)
	Onondaga (mineral industries only)	16	2	368	1,867	357	757	1,788	4,771	1,307	5,831	247	388	3,489
	Ontario (mineral industries only)	9	1	65	221	(NA)	(NA)	(NA)	(NA)	(NA)	812	(NA)	[9]68	[9]463
	Orange (mineral industries only)	9	...	61	348	56	120	290	714	315	910	119	94	863
14	Orleans	7	...	28	138	25	46	113	305	144	438	11	25	190
14	Otsego (mineral industries only)	4	...	13	49	11	18	41	159	(D)	229	(D)	(NA)	(NA)
14	Putnam	5	...	30	128	27	62	112	258	92	345	5	(NA)	(NA)
	Rensselaer (including operations in manufactures)	9	...	[4]30	[4]197	[4]26	61	175	503	[3]176	[4]626	[5]53	[4]24	208
	St. Lawrence	16	8	1,551	8,984	1,324	2,757	7,353	21,647	8,736	27,686	2,697	1,519	16,122
144	Saratoga	9	...	24	65	17	32	52	309	33	286	56	63	509
142	Schoharie (mineral industries only)	3	...	26	100	25	49	95	329	174	428	75	[10]39	[10]399
138	Schuyler	6	...	27	105	(NA)	(NA)	(NA)	(NA)	(NA)	352	(NA)	(NA)	(NA)
	Steuben	14	...	44	211	(NA)	(NA)	(NA)	(NA)	(NA)	877	(NA)	48	(NA)
144	Suffolk (mineral industries only)	23	6	417	2,816	286	583	1,909	6,736	1,376	7,718	394	373	5,562
14	Sullivan	7	...	50	303	44	101	240	703	420	793	330	57	269
	Tompkins (including operations in manufactures)	6	3	[4]278	[4]1,601	(NA)	(NA)	(NA)	(NA)	(NA)	[4]4,520	(NA)	(NA)	(NA)
	Washington, total	18	2	181	522	157	298	442	1,376	[3]660	[4]1,906	[5]130	110	1,098
14	Mineral industries	11	1	67	253	61	124	217	605	169	725	49	(NA)	(NA)
	Included in manufactures	7	1	[4]114	[4]269	[4]96	174	225	771	[3]491	[4]1,181	[5]81	(NA)	(NA)
	Dimension stone (including operations in manufactures)	13	1	143	357	124	237	311	822	511	1,246	87	(NA)	(NA)
	Westchester (mineral industries only)	11	1	65	316	55	112	271	703	281	899	85	103	774
13	Undistributed	45	...	65	274	(NA)	(NA)	(NA)	(NA)	(NA)	1,186	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating these totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 4.
[5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]Excludes data for oil and gas field services operations.
[7]Excludes data for 2 crude petroleum and natural gas operations. See also footnote 6.
[8]Represents mineral industries only.
[9]Excludes data for one crude petroleum and natural gas operation. See also footnote 6.
[10]Includes mining operations in manufacturing establishments.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
New York, total.....	622	543	79	4	...	2	...	...	1	3	2	...	...	200	...	35	14	16	63	13	203	24	2	22	4	...	10	4
No employees.....	63	59	4	...	...	...	...	...	...	...	...	...	...	33	...	2	1	...	1	...	22	...	...	4	...	...	...	...
1-4 employees.....	309	275	34	...	...	...	...	...	...	1	1	...	...	140	...	26	8	5	9	3	86	19	...	7	...	...	4	...
5-9 employees.....	104	85	19	...	...	...	...	...	...	...	...	...	...	19	...	5	1	3	8	2	50	3	...	10	...	...	2	1
10-19 employees...	64	55	9	1	...	...	...	...	...	...	...	...	...	2	...	1	4	5	15	2	30	2	1	...	1	...	...	...
20-49 employees...	49	39	10	...	...	...	...	...	...	...	...	...	...	4	...	1	...	2	20	6	11	...	1	1	1	...	1	1
50-99 employees...	17	14	3	1	...	1	...	...	...	1	...	...	...	2	...	...	...	1	7	...	2	...	...	...	...	...	...	2
100-249 employees.	10	10	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	2	...	2	...	...	...	1	...	3	...
250-499 employees.	5	5	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
500-999 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Albany:																												
0-19 employees....	12	7	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	7	...	...	3	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Allegany:																												
0-19 employees....	133	133	...	...	...	...	...	...	...	...	...	...	...	111	...	18	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronx:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Broome:																												
0-19 employees....	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	5	1	...	1	...	...	...	...
Cattaraugus:																												
0-19 employees....	54	54	...	...	...	...	...	...	...	...	...	...	...	37	...	11	...	...	...	...	6	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cayuga:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Chautauqua:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	6	1	...	...	...	...	...	...
Chemung:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
Chenango:																												
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Clinton:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	8	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	1	...	3	...	...	...	...
20-99 employees...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Cortland:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Delaware:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Dutchess:																												
0-19 employees....	18	15	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	13	1	...	1	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Erie:																												
0-19 employees....	24	21	3	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	1	1	11	1	...	1	...	...	...	...
20-99 employees...	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	1	2

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Essex:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	2	2	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...
Fulton:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...
Genesee:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	1
Greene:																											
0-19 employees....	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	2	...	...	2	...	...	...	...
20-99 employees...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Herkimer:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	6	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	5	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lewis:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Livingston:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Madison:																											
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	1	...	...	...	...	...	...
Monroe:																											
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	1
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Montgomery:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Nassau:																											
0-19 employees....	11	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	8	1	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
New York:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Niagara:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Oneida:																											
0-19 employees....	13	12	1	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...	7	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
Onondaga:																											
0-19 employees....	16	14	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	11	...	1	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Ontario:																											
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	4	1	...	...	...	...	2	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Orange:																											
0-19 employees....	11	9	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	6	...	...	2	...	...	1	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Orleans:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	4	...	...	...	...	...	...	...
Oswego:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Otsego:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	2	...	...	...	...	...	...	...
Putnam:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...
Rensselaer:																												
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	1	...	...	...	...
Rockland:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
St. Lawrence:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
250 employees and over.....	2	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saratoga:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...
Schenectady:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...
Schoharie:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Schuyler:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Seneca:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Steuben:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	7	...	4	...	...	...	...	3	...	...	...	...	...	...	...
Suffolk:																												
0-19 employees....	19	17	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	2	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Sullivan:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	...	...	...	...	...
Tompkins:																												
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Ulster:																												
0-19 employees....	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	3	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Washington:																												
0-19 employees....	16	10	6	...	...	...	...	...	...	...	...	...	...	...	...	...	7	5	2	1	1	...	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Westchester:																												
0-19 employees....	13	10	3	...	...	...	...	...	...	1	...	...	...	...	...	...	2	3	...	...	5	...	...	...	...	...	2	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wyoming:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	30	...	15	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

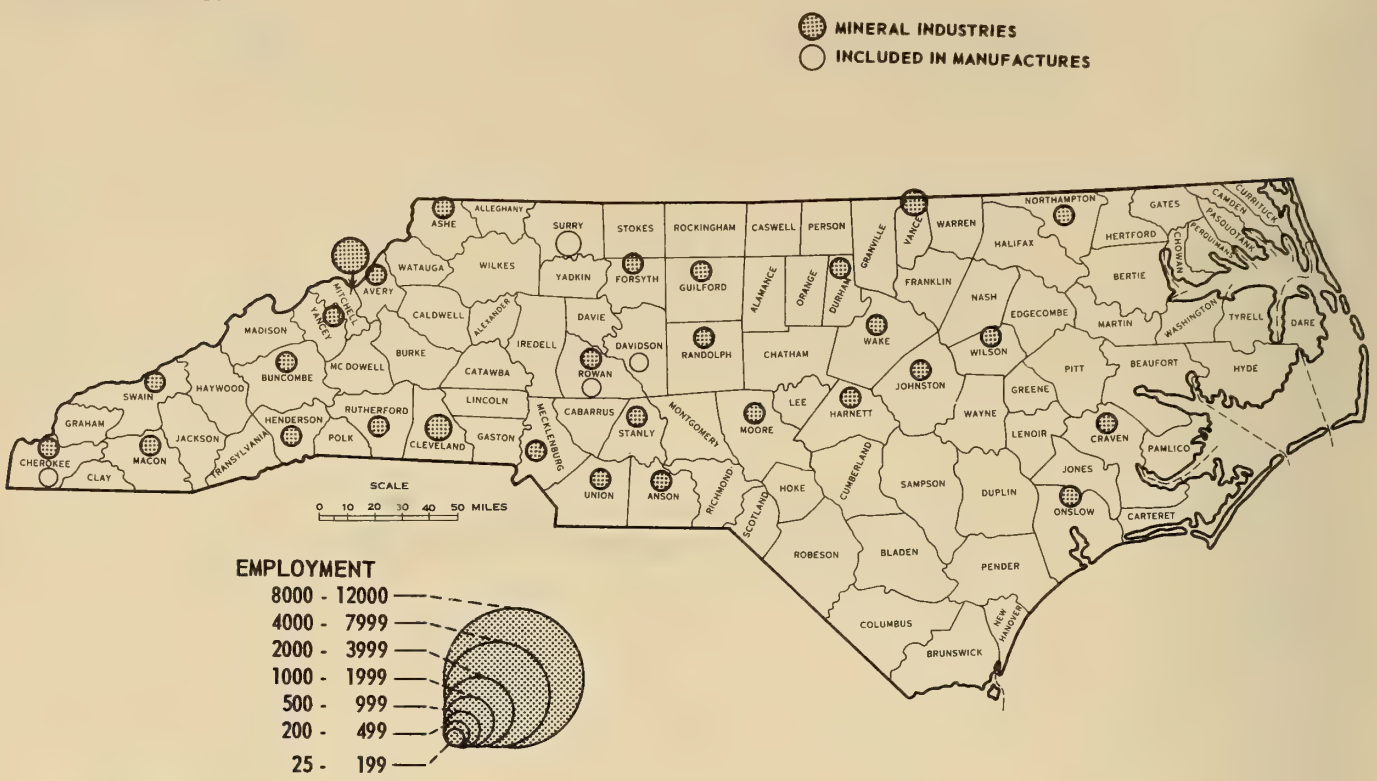
NORTH CAROLINA

30-1

EMPLOYMENT IN MINING BY COUNTY: 1958

NORTH CAROLINA

RANK AMONG STATES
EMPLOYMENT - 32
VALUE OF SHIPMENTS -36



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN NORTH CAROLINA

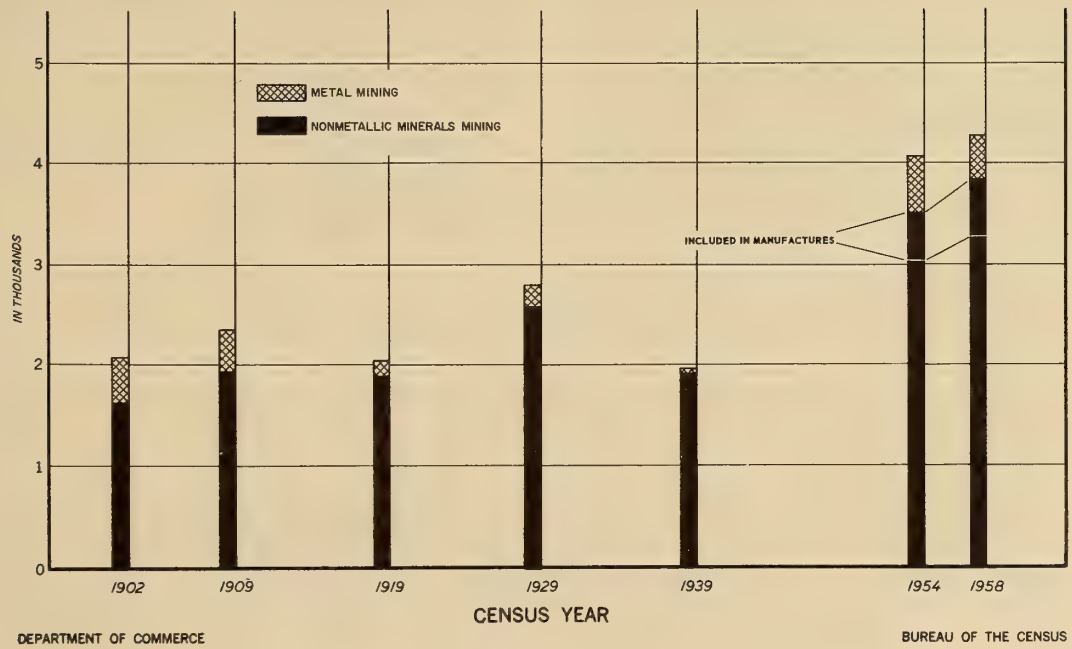
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NORTH CAROLINA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts [1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	231	53	3,701	12,274	3,334	6,812	10,292	27,516	11,735	371	610	2,996	39,328	3,900	r723	r217
1954	513	44	3,562	10,371	3,322	7,420	9,192	r[2]30,678	8,182	[2]218	890	3,021	[2]39,566	3,421	504	152
Including operations in manufactures:																
1958	267	57	4,265	13,929	3,844	7,764	11,711	31,757	r[3]12,554	r543	[3]611	[4]3,067	44,557	[4]3,975	r 4737	r192
1954[5]	546	46	4,047	11,642	3,784	8,337	10,303	[2]33,141	[3]8,962	[4]218	[3]890	[4]3,066	[2]42,811	[4]3,466	[4]513	136
1939[6]	[7]111	(NA)	1,965	1,443	1,787	3,720	1,123	3,448	1,082	(NA)	7	(NA)	4,537	(NA)	176	98
1929[8]	123	(NA)	2,788	2,807	2,585	(NA)	2,322	4,376	1,604	(NA)	1	151	5,981	(NA)	412	159
1919[9]	102	(NA)	2,018	1,689	1,890	(NA)	1,489	2,044	687	...	6	(NA)	2,737	(NA)	[10]322	170
1909[9]	127	(NA)	2,352	996	[2,243	(NA)	869	1,057	264	...	38	(NA)	1,359	(NA)	(NA)	(NA)
1902[11]	[7]155	(NA)	2,062	737	[12]1,900	(NA)	620	745	173	(NA)	9	(NA)	927	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years represents net production and excludes this duplication.

[2] Excludes figures for the Uranium-Radium-Vanadium Ores Industry.

[3] For sand and gravel and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4] Excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[5] All figures except number of establishments exclude data for one fire clay mining operation in a manufacturing plant. Also, excludes data for sand and gravel mining operations in manufacturing establishments.

[6] Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite at such operations was $280 thousand; this value has been included in the value of shipments and value added in mining. The comparable values for sandstone and marble are not available.

[7] Represents number of mines and quarries.

[8] Excludes data for common clay and shale mining operations. In 1939, there were 23 such mines with products valued at $184 thousand.

[9] Excludes data for sand and gravel mining operations. In 1929, there were 6 such establishments, with products valued at $350 thousand. See also footnote 8. For 1919, also excludes data for 2 nonproducing establishments.

[10] Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 3 percent of the total kwh equivalent of energy used.

[11] Includes data for lime plants producing lime valued at $2 thousand.

[12] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	267	57	4,265	13,929	3,844	7,764	11,711	31,757	[2]16,775	[3]44,557	[4]3,975	4,047	[r5]33,143
	Mineral industries	231	53	3,701	12,274	3,334	6,812	10,292	27,516	15,712	39,328	3,900	3,562	[r5]30,678
	Included in manufactures	36	4	[3]564	[3]1,655	[3]510	952	1,419	4,241	[2]1,063	[3]5,229	[4]75	[3]485	2,465
	Dimension stone	11	4	495	1,427	439	800	1,188	2,182	736	2,839	79	387	1,511
	Included in manufactures	6	4	481	1,397	427	786	1,161	2,123	731	2,779	75	338	1,369
1421	Crushed and broken stone	40	23	1,120	4,043	1,003	2,243	3,396	10,394	6,765	15,855	1,304	982	9,246
	Crushed and broken limestone	9	5	212	699	192	340	637	2,212	1,329	3,106	435	214	2,044
	Crushed and broken granite	24	16	771	2,871	686	1,627	2,342	6,777	5,051	11,074	754	703	6,432
	Crushed and broken stone, nec	7	2	137	473	125	276	417	1,405	385	1,675	115	65	770
1441	Sand and gravel (Mineral industry only)	44	9	486	1,555	431	909	1,301	4,324	1,583	5,367	540	480	3,606
145	Clay and related minerals (Mineral industries only)	32	7	531	1,639	482	953	1,352	4,098	3,695	6,691	1,102	(NA)	(NA)
	Clay and related minerals, nec	33	2	184	666	175	392	581	3,440	1,312	4,658	(NA)	206	1,609
1481	Nonmetallic minerals services (Nonmetallic minerals stripping)	8	1	329	704	325	598	686	832	168	877	123	(NA)	(NA)
	Miscellaneous minerals, nec:													
1493	Mica	82	5	391	988	356	628	907	2,714	897	3,157	454	556	2,548
1496	Talc, soapstone, pyrophyllite	8	4	212	726	192	391	579	1,778	556	2,178	156	227	1,425

NA Not available. [r]Revised.

[1]Excludes data for sand and gravel and fire clay mining operations in manufacturing establishments.

[2]For sand and gravel and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For sand and gravel and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4]Excludes figures for sand and gravel and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	15,712	11,735	371	610	2,996	3,900	288	3,612	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	6,765	5,672	...	19	1,074	1,304	30	1,274	10,371	15,855	1,134	581
	Crushed and broken granite	5,051	4,424	...	2	625	754	30	724	7,811	11,074	126	559
1441	Sand and gravel	1,583	1,156	13	92	322	540	1	539	5,214	[3]5,609	[4]184	([3])
145	Clay and related minerals	3,695	2,071	358	117	1,149	1,102	18	1,084	xxx	xxx	xxx	xxx

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Shipments of sand and gravel by establishments classified in other mineral industries are included with those for such shipments by establishments classified in the specified industry. See also footnote 4.

[4]Includes data for sand and gravel produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	222	214	109	15	84	10	104	9	89	6	1	8
	Number of employees	3,351	3,333	(D)	85	197	(D)	2,983	534	2,414	35	(D)	18
	Value added in mining, $1,000	26,511	26,562	(D)	271	1,950	(D)	23,937	2,835	20,924	178	(D)	([3])
1421	Crushed and broken stone:												
	Number of establishments	40	40	1	...	1	...	39	...	39	...	...	...
	Number of employees	1,120	1,120	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	10,394	10,394	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Crushed and broken granite:												
	Number of establishments	24	24	...	...	...	...	24	...	24	...	...	...
	Number of employees	771	771	...	...	...	...	771	...	771	...	...	...
	Value added in mining, $1,000	6,777	6,777	...	...	...	...	6,777	...	6,777	...	...	...
1441	Sand and gravel:												
	Number of establishments	44	44	21	...	12	9	23	...	17	6	...	...
	Number of employees	486	486	78	...	45	33	408	...	373	35	...	...
	Value added in mining, $1,000	4,324	4,324	667	...	415	252	3,657	...	3,479	178	...	...
145	Clay and related minerals:												
	Number of establishments	32	32	24	2	22	...	7	...	7	...	1	...
	Number of employees	531	531	(D)	(D)	46	...	447	...	447	...	(D)	...
	Value added in mining, $1,000	4,098	4,098	(D)	(D)	272	...	3,671	...	3,671	...	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 6 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 1 sand and gravel establishment for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NORTH CAROLINA:													
	All mineral operations	267	57	4,267	13,929	3,844	7,764	11,711	31,757	[3]16,775	[4]44,557	[5]3,975	4,047	[r6]33,143
	Mineral industries	231	53	3,703	12,274	3,334	6,812	10,292	27,516	15,712	39,328	3,900	3,562	[r6]30,678
	Included in manufactures	36	4	[4]564	[4]1,655	[4]510	952	1,419	4,241	[3]1,063	[4]5,229	[5]75	[4]485	2,465
	COUNTIES													
14	Avery	17	1	152	354	137	219	308	540	386	770	156	181	554
14	Craven	3	1	42	134	39	56	124	174	(D)	387	(D)	(NA)	(NA)
	Davidson (mineral industries only)	3	...	2	5	2	3	5	30	(D)	33	(D)	(NA)	(NA)
	Guilford (mineral industries only)	5	4	127	371	111	212	320	1,274	930	2,058	146	151	1,280
14	Henderson (mineral industries only)	3	1	41	93	34	64	80	312	(D)	366	(D)	33	166
	Lee (included in manufactures)	3	...	[4]16	[4]61	[4]16	32	61	329	[3]75	[4]404	(NA)	[4]16	372
149	Macon	5	...	34	52	24	52	48	136	(D)	128	(D)	99	363
14	Mitchell	62	7	787	1,948	749	1,376	1,746	4,315	2,560	5,701	1,174	478	[6]3,066
145	Clay and related minerals	22	3	269	852	241	481	682	2,145	2,036	3,308	873	290	2,044
	Montgomery (including operations in manufactures)	3	...	[4]2	[4]6	[4]2	3	4	52	(D)	[4]46	(D)	(NA)	(NA)
14	Moore	8	2	141	466	128	262	370	1,085	479	1,456	108	121	812
	Rockingham (including operations in manufactures)	4	...	[4]12	[4]26	[4]11	15	25	144	(D)	[4]89	(D)	(NA)	(NA)
	Rowan (including operations in manufactures)	7	3	195	609	166	321	482	1,553	970	2,411	112	104	960
14	Yancey	15	2	86	298	77	137	261	498	455	891	62	175	657

D Withheld to avoid disclosing data for individual companies.
NA Not available. [r]Revised.
[1]Excludes data for sand and gravel and fire clay mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For sand and gravel and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for sand and gravel and clay mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
North Carolina, total	267	231	36	...	1	...	1	...	1	1	1	...	...	...	...	...	5	6	40	...	44	3	32	27	5	8	92	...
No employees	49	47	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	6	1	3	1	...	2	33	...
1-4 employees	105	81	24	...	...	...	...	...	...	...	1	...	...	...	...	...	1	2	6	...	18	2	18	20	4	4	29	...
5-9 employees	32	26	6	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	1	...	7	...	3	6	...	1	11	...
10-19 employees	24	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	4	...	1	...	...	...	10	...
20-49 employees	37	36	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	18	...	6	...	3	...	...	...	8	...
50-99 employees	13	11	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	5	...	3	...	2	...	...	...	1	...
100-249 employees	5	5	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...
250-499 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...
COUNTIES																												
Alamance: 0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...
Anson: 0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Ashe: 0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Avery: 0-19 employees	16	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	15	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Beaufort: 0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Buncombe: 0-19 employees	5	5	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	1	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Burke: 0-19 employees	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Cabarrus: 0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Caldwell: 0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Caswell: 20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Catawba: 0-19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Chatham: 0-19 employees	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...
Cherokee: 20-99 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...
Cleveland: 0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Craven: 0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Cumberland:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
Davidson:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Durham:																												
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Edgecombe:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Forsyth:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...
Gaston:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...
Greene:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Guilford:																												
0-19 employees....	2	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...
Halifax:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Harnett:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Haywood:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Henderson:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hoke:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Iredell:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Jackson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Johnston:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Jones:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Lee:																												
0-19 employees....	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...
Lenoir:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...
McDowell:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
Macon:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...
Mecklenburg:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Mitchell:																											
0-19 employees....	55	55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	19	...	...	4	31	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	3	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Montgomery:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...
Moore:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	2	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
New Hanover:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Northampton:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Onslow:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Orange:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...
Pender:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pitt:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Polk:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
Randolph:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Robeson:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Rockingham:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...
Rowan:																											
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...
Rutherford:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2	...
Sampson:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...
Stanly:																											
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Stokes:																											
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...
Surry:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Swain:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Transylvania:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Union:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Vance:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wake:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Watauga:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Wayne:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Wilkes:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...
Wilson:																											
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Yadkin:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Yancey:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	...	1	8	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...

[1]See table 3, footnote 2.

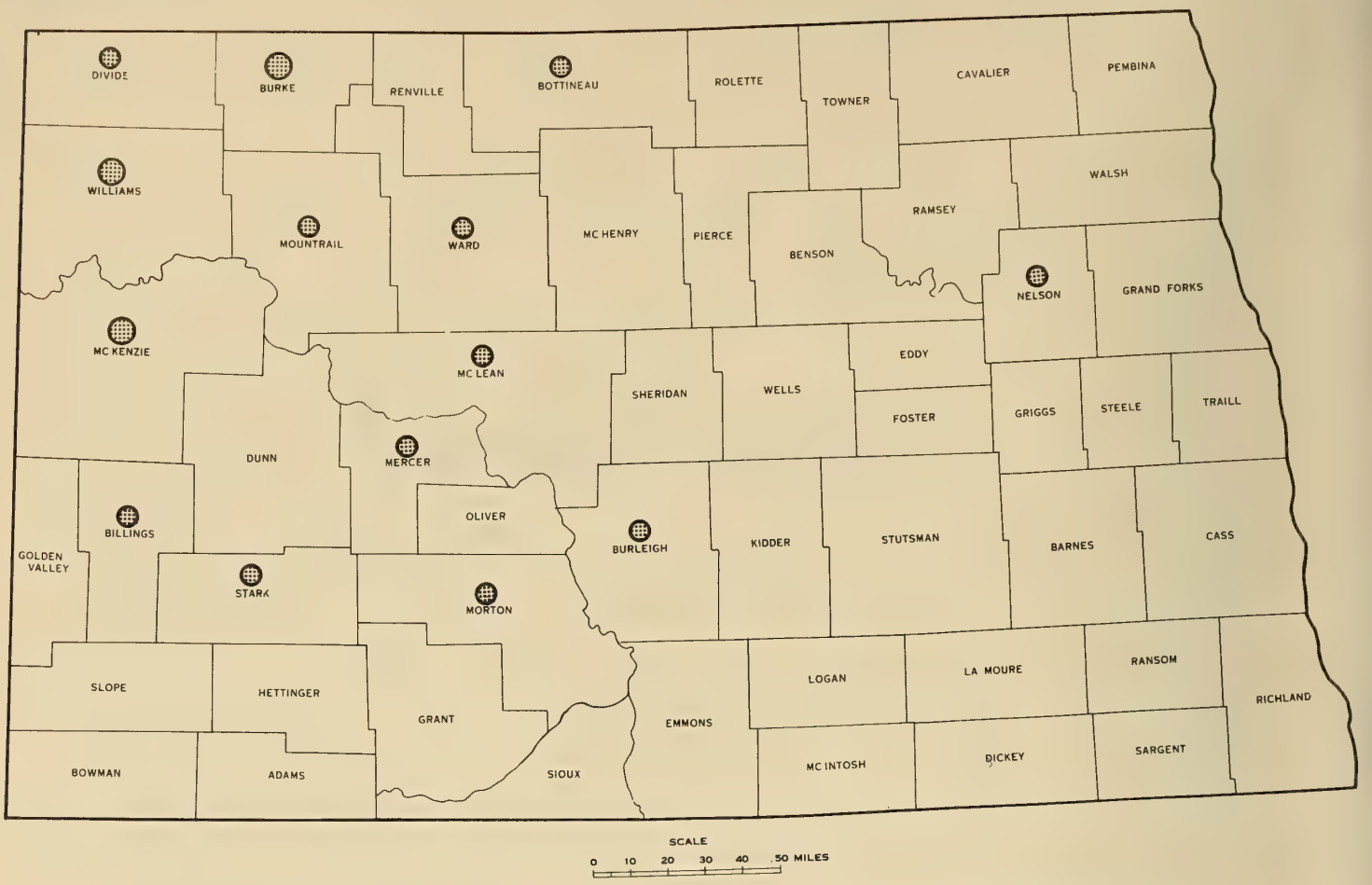
NORTH DAKOTA

31-1

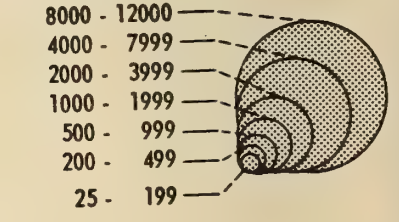
EMPLOYMENT IN MINING BY COUNTY: 1958

NORTH DAKOTA

RANK AMONG STATES
EMPLOYMENT -39
VALUE OF SHIPMENTS -30



EMPLOYMENT

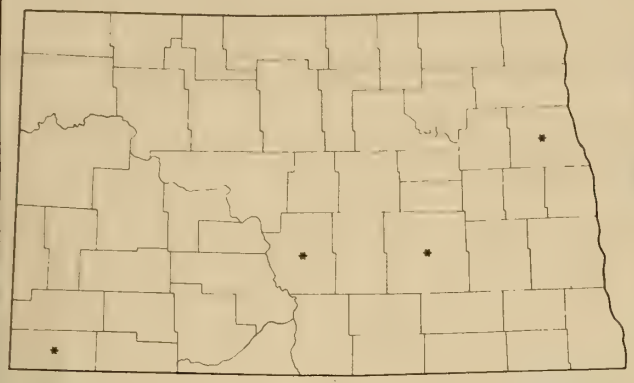


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN NORTH DAKOTA

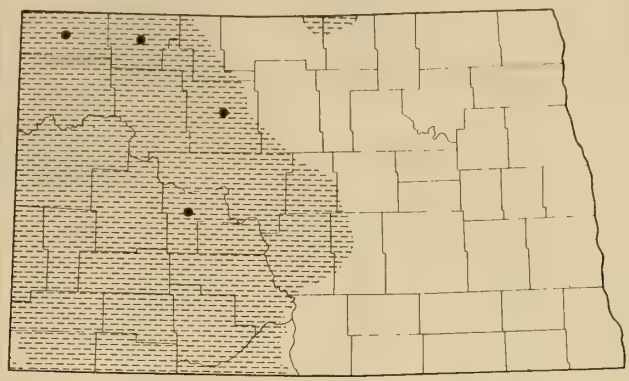
Employment For Industry Group By County: 1958

Metal Mining



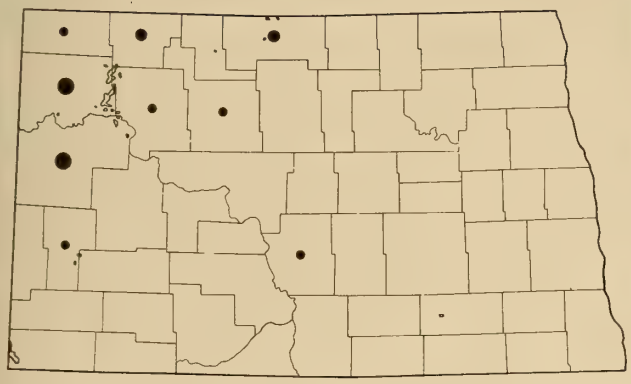
* Less than 25 employees

Coal Mining



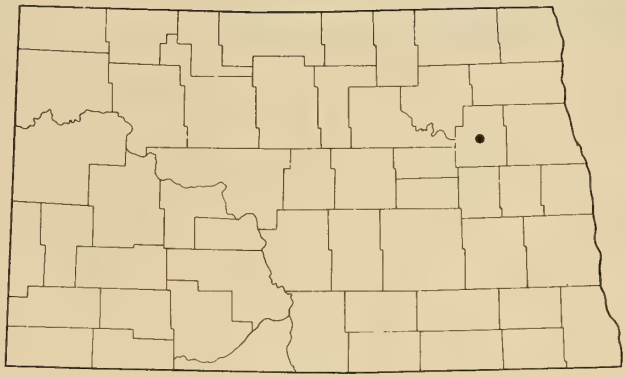
General Extent of Coal Fields

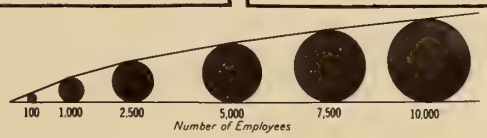
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining

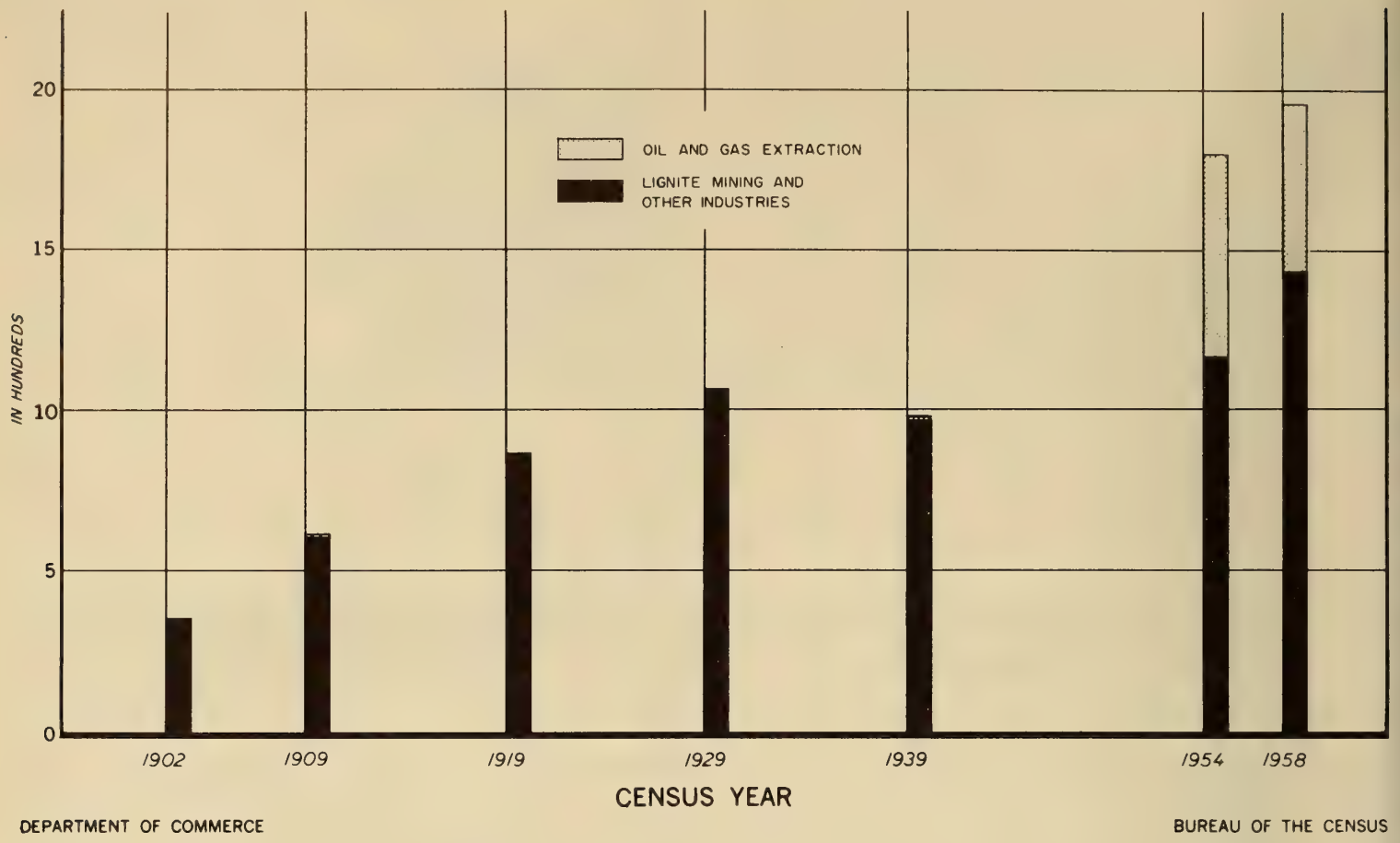




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

NORTH DAKOTA



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	167	25	r1,955	r10,704	1,552	3,456	8,023	40,287	[2]20,211	([2])	21,411	9,579	65,573	25,915	r805	r519
1954	146	26	1,798	8,619	1,399	2,956	6,319	[3]7,151	[2]9,542	([2])	20,305	14,008	[3]28,694	22,312	r829	r593
Including operations in manufactures:																
1958	172	25	r1,967	r10,737	1,564	3,477	8,056	40,410	[2] [4]20,247	([2])	[4]21,411	[5]9,579	65,732	[5]25,915	r [5]805	r515
1954[6]	147	26	1,798	8,619	1,399	2,956	6,319	[3]7,151	[2] [4]9,542	([2])	[4]20,305	[5]14,008	[3]28,694	[5]22,312	r[5]829	r593
1939[7]	[8]108	(NA)	960	1,042	874	1,724	871	2,027	471	(NA)	5	(NA)	2,503	(NA)	180	206
1929[9]	115	(NA)	1,061	1,457	994	(NA)	1,289	2,732	466	(NA)	9	80	3,207	(NA)	283	285
1919	79	(NA)	864	1,189	774	(NA)	1,029	1,574	322	...	31	(NA)	1,927	(NA)	[10]127	164
1909	53	(NA)	611	427	562	(NA)	364	456	108	...	1	(NA)	565	(NA)	(NA)	(NA)
1902[11]	[8]48	(NA)	350	241	[12]298	(NA)	197	243	89	(NA)	3	(NA)	335	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For sand and gravel and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. However for 1954, excludes the cost of natural gas processed at natural gas liquids plants but includes the value prior to processing of natural gas liquids contained in such gas.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]For sand and gravel and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for sand and gravel and clay mining operations in manufacturing establishments.

[6]Except for number of establishments, excludes data for one clay mining operation in a manufacturing establishment. Excludes data for any sand and gravel mining operations in manufacturing establishments.

[7]Except for number of establishments, excludes data for one mining services establishment and one nonproducing establishment.

[8]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for one sand and gravel establishment, and for common clay and shale and oil and gas extraction operations, if any.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only one percent of the total kwh equivalent of energy used.

[11]Includes data for one cement plant.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	172	25	r1,967	r10,737	1,564	3,477	8,056	40,410	[1]51,237	[2]65,732	(NA)	(NA)	(NA)
	Mineral industries	167	25	r1,955	r10,704	1,552	3,456	8,023	40,287	51,201	65,573	25,915	1,798	[3]7,151
	Included in manufactures	5	...	[2]12	[2]33	[2]12	21	33	123	[1]36	[2]159	(NA)	(NA)	(NA)
10 12 14	Metal mining, Lignite mining, and Nonmetallic minerals mining (mineral industries only)	77	7	510	2,298	451	889	1,978	6,322	3,198	7,783	1,737	634	[3]7,226
13	Oil and gas extraction	90	18	1,436	8,359	1,101	2,567	6,045	33,965	48,003	57,790	24,178	1,164	([4])
1311	Crude petroleum and natural gas	53	5	558	3,422	316	654	1,759	22,352	39,746	41,106	20,992	671	([4])
138	Oil and gas field services:													
1381	Drilling oil and gas wells	21	9	528	3,180	480	1,166	2,793	6,585	5,184	9,993	1,776	164	2,472

NA Not available. rRevised.

[1]For mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[2]For mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]Not shown since the cost of supplies, gas purchased for gas lift and repressuring, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the sum of value of shipments and capital expenditures.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	51,201	[3]20,211	([3])	21,411	9,579	25,915	9,044	16,871	xxx	xxx	xxx	xxx
10 12 14	Metal mining, Lignite mining, and Nonmetallic minerals mining	3,198	1,576	...	101	1,521	1,737	39	1,698	xxx	xxx	xxx	xxx
13	Oil and gas extraction	48,003	[3]18,635	([3])	21,310	8,058	24,178	9,005	15,173	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	39,746	13,349	...	20,310	6,087	20,992	8,567	12,425	[4]13,689	[5]41,079	[4]243	376
138	Oil and gas field services:												
1381	Drilling oil and gas wells	5,184	3,523	...	491	1,170	1,776	438	1,338	xxx	[6]9,503	xxx	([6])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum shipped or used. In addition, 14,137 million cubic feet of natural gas were shipped, all by establishments classified in the specified industry.

[5]Represents $40,029 thousand, the value of crude petroleum shipped, and $1,050 thousand, the value of natural gas shipped.

[6]The figures for the value of primary services performed by establishments classified in other industries are included with those for the value of primary services performed by establishments classified in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	131	116	75	5	24	46	40	...	39	1	1	15
	Number of employees	[3]1,427	[3]1,384	(D)	(D)	36	536	(D)	...	438	(D)	[3]350	43
	Value added in mining, $1,000	[3]33,702	[3]34,314	(D)	(D)	310	23,073	(D)	...	5,741	(D)	[3]5,028	[4]
10 12 14	Metal mining, Lignite mining, and Nonmetallic minerals mining:												
	Number of establishments	77	74	34	5	24	5	40	...	39	1	...	3
	Number of employees	510	496	(D)	(D)	36	7	(D)	...	438	(D)	...	14
	Value added in mining, $1,000	6,322	6,345	(D)	(D)	310	132	(D)	...	5,741	(D)	...	[4]
13	Oil and gas extraction:												
	Number of establishments	54	42	41	...	...	41	...	...	...	...	1	12
	Number of employees	[3]908	[3]879	529	...	...	529	...	...	...	...	[3]350	29
	Value added in mining, $1,000	[3]27,380	[3]27,969	22,941	...	...	22,941	...	...	...	...	[3]5,028	[4]

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[2] Includes data for one sand and gravel establishment for which the method of mining was not specified.
[3] Includes data for the Oil and Gas Exploration Services and the Oil and Gas Field Services, NEC, Industries.
[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	NORTH DAKOTA:													
	All mineral operations	172	25	r1,967	r10,737	1,564	3,477	8,056	40,410	[3]51,237	[4]65,732	[5]25,915	(NA)	(NA)
	Mineral industries	167	25	r1,955	r10,704	1,552	3,456	8,023	40,287	51,201	65,573	25,915	1,798	[6]7,151
	Included in manufactures	5	...	[4]12	[4]33	[4]12	21	33	123	[3]36	[4]159	(NA)	(NA)	(NA)
	COUNTIES													
13	Billings	7	1	62	347	(NA)	(NA)	(NA)	(NA)	(NA)	1,926	(NA)	(NA)	(NA)
13	Bottineau, total	24	4	175	984	(NA)	(NA)	(NA)	(NA)	(NA)	5,503	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	11	...	11	67	(NA)	(NA)	(NA)	(NA)	(NA)	2,030	(NA)	(NA)	(NA)
138	Oil and gas field services	13	4	164	917	(NA)	(NA)	(NA)	(NA)	(NA)	3,473	(NA)	(NA)	(NA)
	Burke	43	4	254	1,397	(NA)	(NA)	(NA)	(NA)	(NA)	5,782	(NA)	[7]74	(NA)
131	Crude petroleum and natural gas	23	1	58	354	(NA)	(NA)	(NA)	(NA)	(NA)	3,074	(NA)	(NA)	(NA)
	Burleigh (mineral industries only)	16	2	164	946	(NA)	(NA)	(NA)	(NA)	(NA)	130	(NA)	[7]268	(NA)
	Cass (including operations in manufactures)	5	...	[8]27	[8]94	[4]17	26	41	247	[4]33	[4]280	(NA)	60	383
	Divide (mineral industries only)	15	1	72	376	(NA)	(NA)	(NA)	(NA)	(NA)	1,187	(NA)	(NA)	(NA)
12	Dunn	3	...	2	11	2	4	11	19	10	28	1	(NA)	(NA)
	Golden Valley	5	...	9	50	(NA)	(NA)	(NA)	(NA)	(NA)	199	(NA)	(NA)	(NA)
13	McKenzie, total	26	8	383	2,169	(NA)	(NA)	(NA)	(NA)	(NA)	18,308	(NA)	[9]51	(NA)
131	Crude petroleum and natural gas	8	1	53	324	(NA)	(NA)	(NA)	(NA)	(NA)	12,187	(NA)	(NA)	(NA)
138	Oil and gas field services	18	7	330	1,845	(NA)	(NA)	(NA)	(NA)	(NA)	6,121	(NA)	(NA)	(NA)
	McLean	5	...	33	149	27	72	120	368	(D)	368	(D)	49	767
	Mercer	6	3	103	469	90	163	385	1,550	(D)	1,861	(D)	133	1,865
	Morton (mineral industries only)	9	...	26	112	(NA)	(NA)	(NA)	(NA)	(NA)	439	(NA)	27	182
	Mountrail	13	2	111	639	(NA)	(NA)	(NA)	(NA)	(NA)	6,360	(NA)	[7]44	(NA)
131	Crude petroleum and natural gas	4	1	44	269	(NA)	(NA)	(NA)	(NA)	(NA)	5,617	(NA)	(NA)	(NA)
13	Renville	7	...	7	40	(NA)	(NA)	(NA)	(NA)	(NA)	112	(NA)	(NA)	(NA)
	Stark	11	...	25	126	(NA)	(NA)	(NA)	(NA)	(NA)	535	(NA)	[7]45	(NA)
	Ward	18	1	87	504	(NA)	(NA)	(NA)	(NA)	(NA)	1,655	(NA)	[7]136	(NA)
12	Lignite mining	4	1	42	234	36	79	206	862	(D)	1,049	(D)	(NA)	(NA)
	Williams (mineral industries only)	42	6	449	2,624	(NA)	(NA)	(NA)	(NA)	(NA)	24,136	(NA)	[7]204	(NA)
13	Oil and gas extraction	37	6	445	2,613	(NA)	(NA)	(NA)	(NA)	(NA)	24,076	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	11	1	179	1,093	(NA)	(NA)	(NA)	(NA)	(NA)	16,530	(NA)	176	(NA)
13	Undistributed	28	2	190	1,207	(NA)	(NA)	(NA)	(NA)	(NA)	1,746	(NA)	(NA)	(NA)
138	Oil and gas field services	25	2	138	889	(NA)	(NA)	(NA)	(NA)	(NA)	1,403	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. r Revised.
NA Not available.

[1] Excludes data for one clay mining operation in a manufacturing establishment and for any sand and gravel mining operations in manufacturing establishments.

[2] Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.

[3] For sand and gravel and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[4] See table 2A, footnote 2.

[5] Excludes figures for sand and gravel and clay mining operations in manufacturing establishments.

[6] Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[7] Excludes data for the Oil and Gas Field Services Industries.

[8] Includes data for separately reported central offices and related facilities serving the Oil and Gas Extraction Industries. See also footnote 4.

[9] Includes data for Lignite mining. See also footnote 7.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
North Dakota, total.	172	167	5	...	...	1	1	...	...	...	2	40	...	53	1	36	...	...	...	...	30	4	1	1	...	...	2	...
No employees.....	35	33	2	...	...	...	...	...	...	...	...	11	...	16	...	...	...	...	...	...	6	2	...	...	...	...	...	...
1-4 employees.....	68	66	2	...	...	1	...	...	...	...	2	15	...	19	...	14	...	...	...	...	13	1	...	1	...	...	2	...
5-9 employees.....	25	24	1	...	...	...	...	...	...	...	...	7	...	8	...	4	...	...	...	...	4	1	1	...	...	...	...	...
10-19 employees...	19	19	...	...	...	...	1	...	...	...	...	1	...	5	...	6	...	...	...	...	6	...	...	...	...	...	...	...
20-49 employees...	18	18	...	...	...	...	...	...	...	...	...	6	...	3	1	7	...	...	...	...	1	...	...	...	...	...	...	...
50-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Billings:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bottineau:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	...	...	11	...	9	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Bowman:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...
Burke:																												
0-19 employees....	39	39	...	...	...	...	...	...	...	...	...	1	...	22	...	15	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Burleigh:																												
0-19 employees....	15	14	1	...	...	...	1	...	...	...	...	1	...	10	...	...	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...
Cavalier:																												
0-19 employees ...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dickey:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Divide:																												
0-19 employees....	15	14	1	...	...	...	...	...	...	...	...	...	...	6	...	8	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dunn:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eddy:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Golden Valley:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Grand Forks:																												
0-19 employees....	3	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Griggs:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Hettinger:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Logan:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
McHenry:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...
McKenzie:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	7	...	11	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	1	...	7	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
McLean:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mercer:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morton:																												
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	4	...	...	...	3	...	...	...	...	1	...	1	1	...	...	...	...
Mountrail:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	3	...	7	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Nelson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oliver:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Renville:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	4	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Slope:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Stark:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	3	...	2	...	4	...	...	...	...	2	...	...	...	...	...	...	...
Stutsman:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Towner:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Traill:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Walsh:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	3	...	...	...	...	...	...	...
Ward:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	3	...	1	...	10	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Williams:																												
0-19 employees....	37	36	1	...	...	...	...	...	...	...	...	3	...	10	...	21	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	3	...	23	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

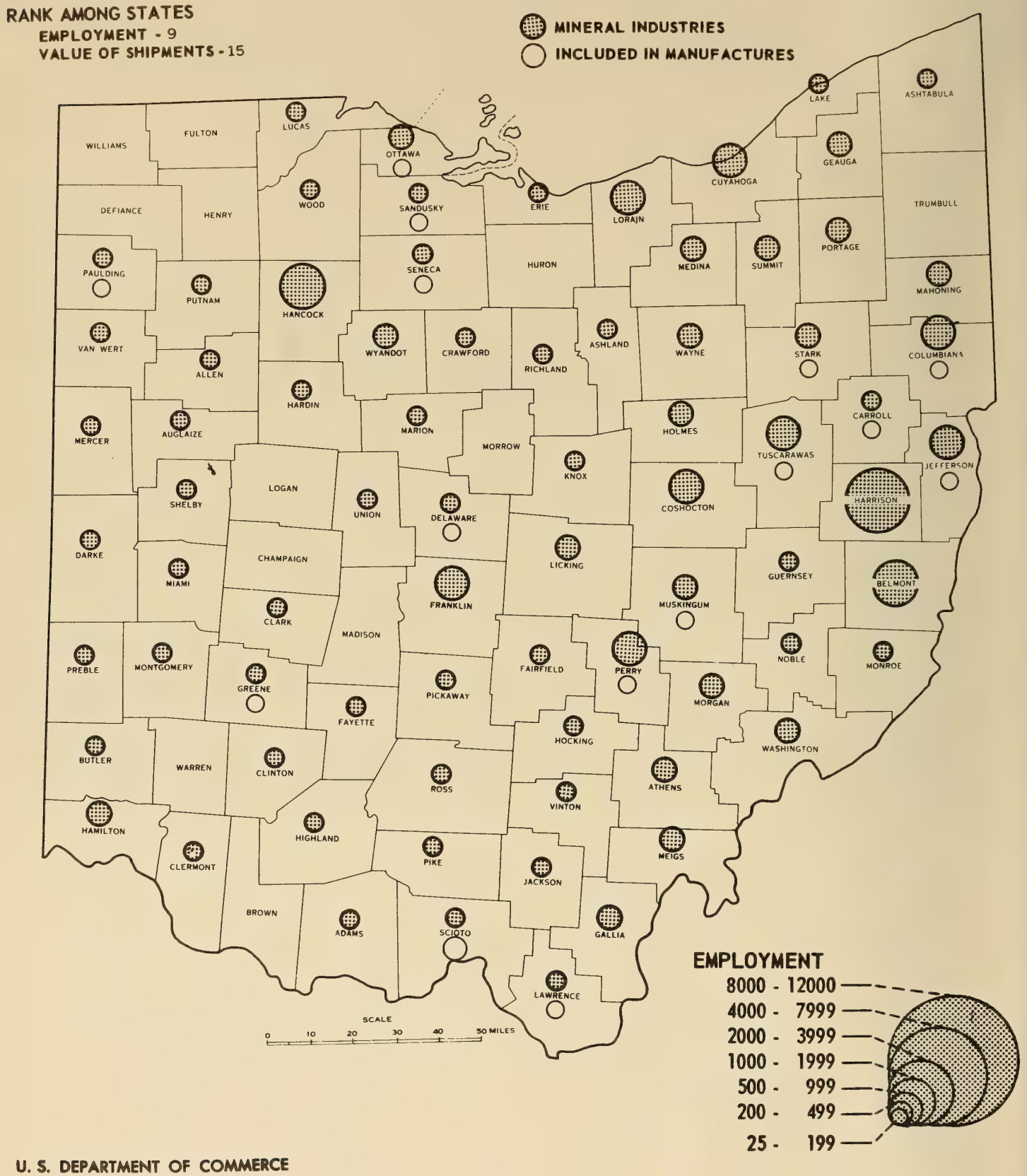
[1]See table 3, footnote 2.

OHIO

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EMPLOYMENT IN MINING BY COUNTY: 1958

OHIO

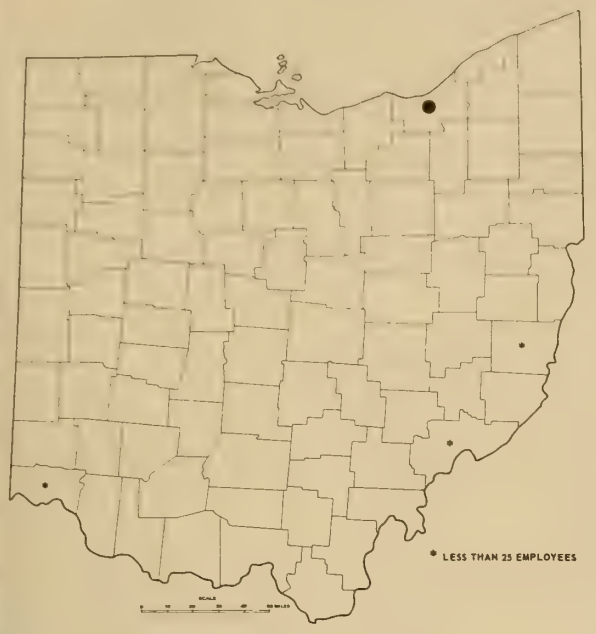


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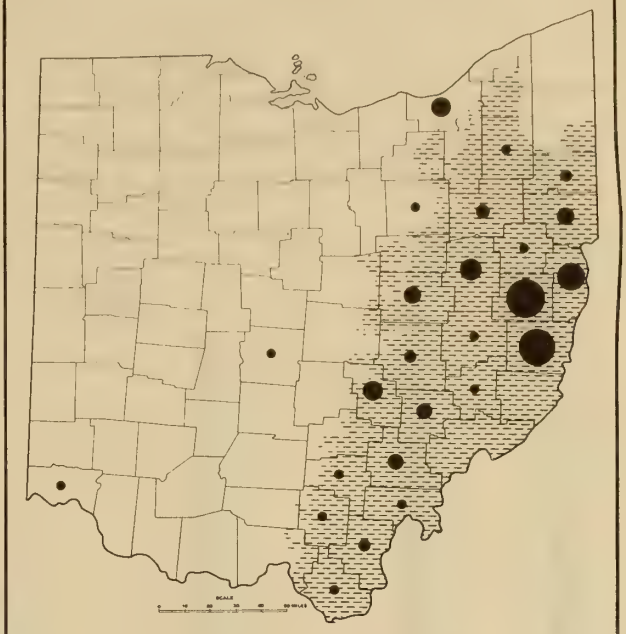
MINING IN OHIO

Employment For Industry Group By County: 1958

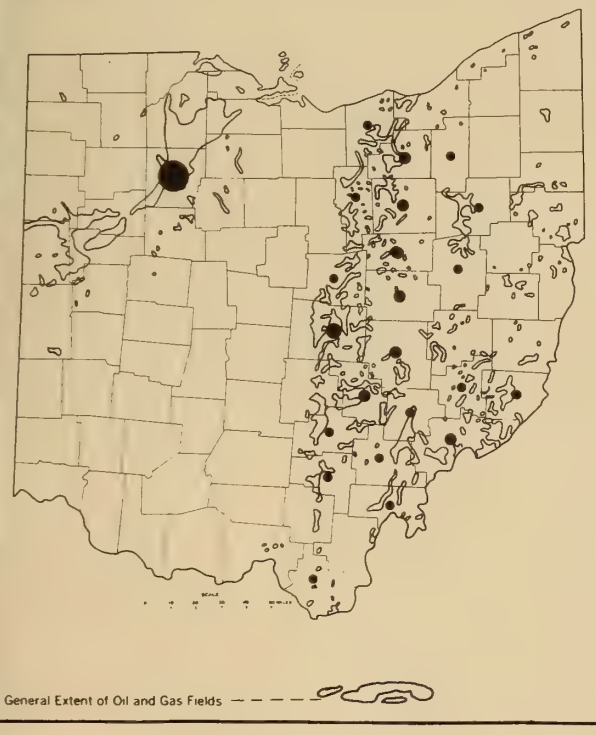
Metal Mining



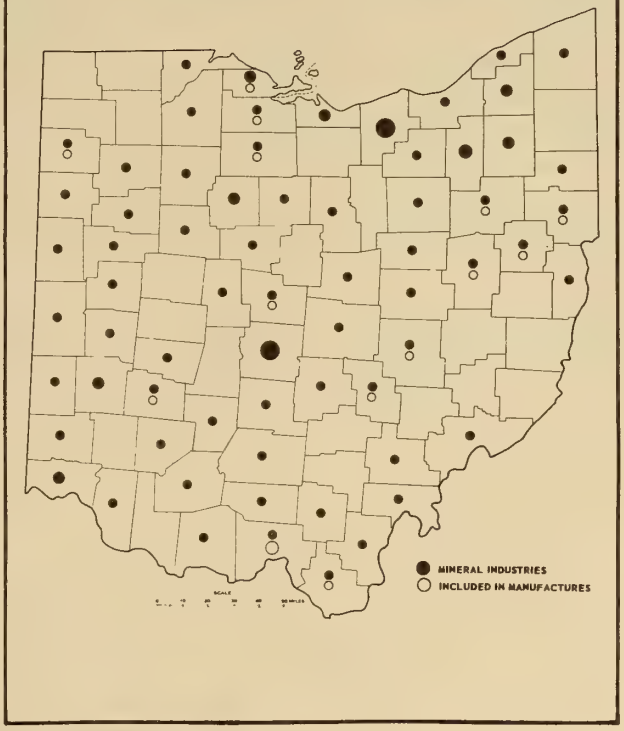
Coal Mining

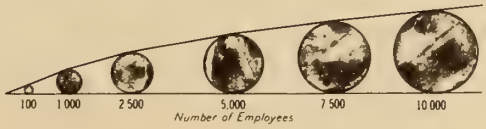


Oil and Gas Extraction



Nonmetallic Minerals Mining

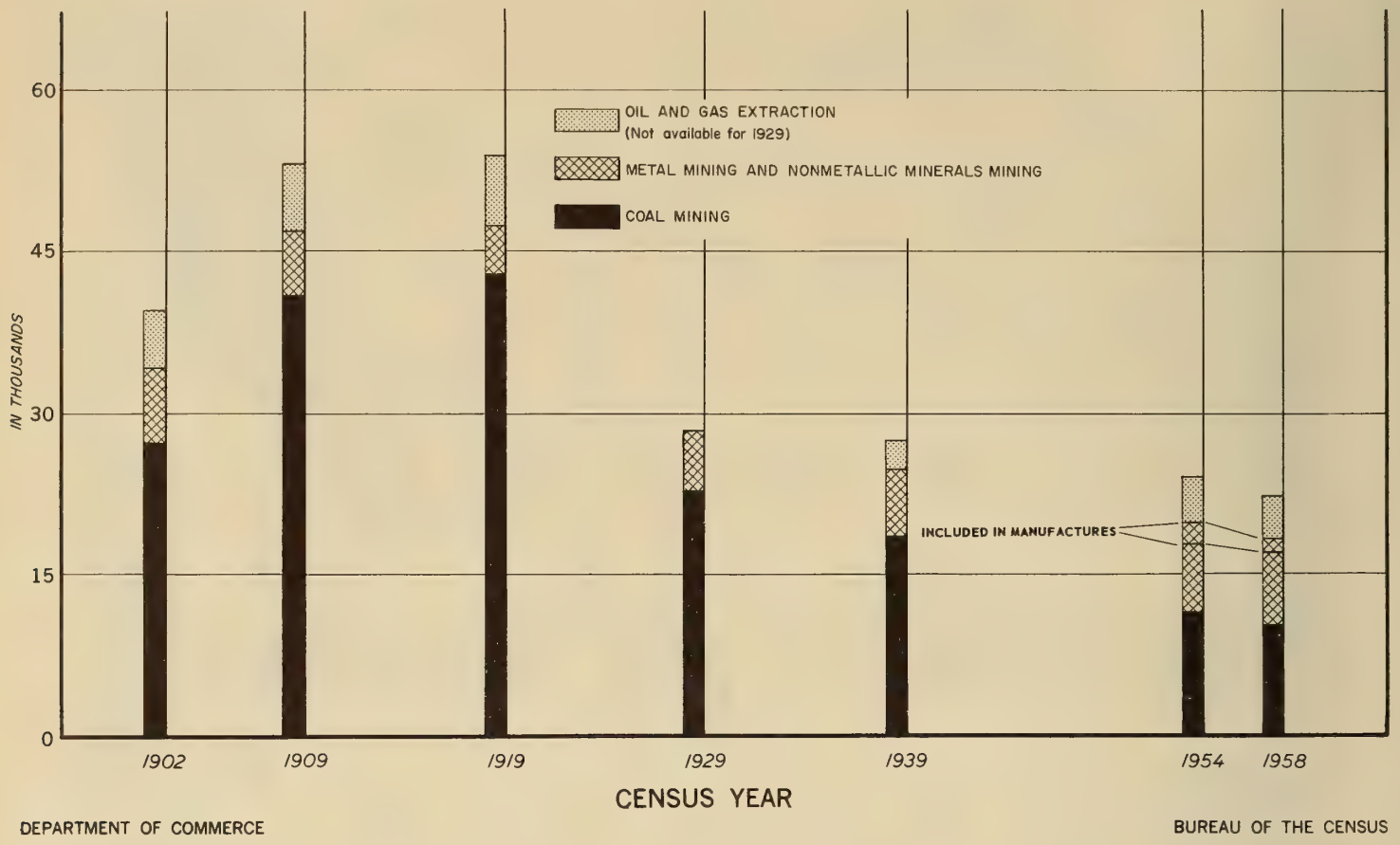




EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

OHIO



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	1,436	187	20,790	108,307	15,907	29,764	73,356	191,336	62,423	29,599	12,844	19,213	286,321	29,094	r2,907	r183
1954	1,654	194	21,654	91,076	17,508	33,242	67,573	166,825	44,091	[2]10,735	11,249	19,722	228,046	24,576	2,677	153
Including operations in manufactures: All operations:																
1958	1,599	210	22,268	114,990	17,359	32,686	79,924	213,647	[3]67,452	29,599	[3]12,844	[4]19,228	313,654	[4]29,116	r[4]2,927	r169
1954[5]	1,793	220	23,742	98,839	19,510	37,247	74,881	r184,997	[3]48,003	[2]10,735	[3]11,249	[4]19,844	r250,045	[4]24,783	[4]2,790	143
1939[6]	[7]1,407	(NA)	27,343	33,852	24,948	41,312	28,749	51,914	10,843	(NA)	1,473	(NA)	64,230	(NA)	2,715	109
1919[8]	2,289	(NA)	53,607	66,376	49,470	(NA)	58,320	106,964	20,517	[9]3,093	3,945	(NA)	134,519	(NA)	[10]8,319	168
1909[8]	1,952	(NA)	53,199	29,546	50,571	(NA)	26,771	47,112	8,273	[9]5,376	3,006	(NA)	63,767	(NA)	(NA)	(NA)
1902[11]	[7]1,519	(NA)	39,487	25,617	[12]37,002	(NA)	23,118	43,833	9,923	(NA)	2,716	(NA)	56,472	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	1,012	202	18,342	95,420	15,064	28,537	71,835	190,059	[13]88,706	([13])	[3]5,876	[4]16,095	280,664	[4]20,072	r[4]2,910	r193
1954[5]	1,134	201	19,539	83,195	17,077	33,223	68,565	r167,538	[13]53,848	([13])	[3]5,205	[4]16,303	r227,004	[4]15,890	[4]2,474	145
1939[6]	[7]1,122	(NA)	24,587	30,025	22,948	37,825	26,397	43,257	9,997	(NA)	550	(NA)	53,804	(NA)	2,158	94
1929[14]	801	(NA)	28,253	34,542	27,001	(NA)	31,351	49,521	10,406	(NA)	169	2,202	60,096	(NA)	3,010	111
1919[8]	951	(NA)	47,123	57,928	44,347	(NA)	51,977	74,042	14,460	...	533	(NA)	89,035	(NA)	[10]6,586	149
1909[8]	750	(NA)	46,843	25,408	45,222	(NA)	23,625	29,893	4,126	...	127	(NA)	34,146	(NA)	(NA)	(NA)
1902[11]	[7]1,100	(NA)	34,080	21,409	[12]32,286	(NA)	19,760	30,010	3,279	(NA)	70	(NA)	33,359	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing sandstone at such operations was $159 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for limestone is not available.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale operations; and stone quarries operated as parts of cement and lime plants. In 1939, the value of products of common clay and shale operations was $1,368 thousand. In 1929, the value of products of sand and gravel establishments and stone quarries at cement and lime plants was $11,339 thousand. For "Excluding oil and gas extraction operations," includes data for nonproducing oil and gas extraction establishments; there were 5 such operations in 1919 and 7 in 1909.

[9]Represents natural gas purchased as a material and for resale.

[10]Excludes purchased electricity. For "All operations" in 1939, and also for "Excluding oil and gas extraction" in 1929, the quantity of purchased electricity amounted to only 4 percent of the total kwh equivalent of energy used.

[11]Excludes data for sand, gravel, common clay, and shale operations; and stone quarries at 7 cement plants. Includes data for lime plants producing lime valued at $1,082 thousand, and includes data for lime plants and nonproducing establihsments in the Crude Petroleum and Natural Gas Industry.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Costs of minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity. See also footnote 3.

[14]Excludes data for common clay and shale operations and one nonproducing operation. The value of products of such operations in 1939 was $1,368 thousand.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	1,599	210	22,268	114,990	17,359	32,686	79,924	213,647	[2]129,123	[3]313,654	[4]29,116	23,742	r184,997
	Mineral industries	1,436	187	20,790	108,307	15,907	29,764	73,356	191,336	124,079	286,321	29,094	21,654	166,825
	Included in manufactures	163	23	[3]1,478	[3]6,683	[3]1,452	2,922	6,568	22,311	[2]5,044	[3]27,333	[4]22	[3]2,088	r18,172
12	Bituminous coal mining	394	97	10,036	53,872	8,368	14,538	41,836	100,958	77,769	166,657	12,070	11,199	90,727
1211	Bituminous coal	383	96	9,938	53,419	8,282	14,361	41,417	100,122	77,169	165,263	12,028	11,132	90,164
1213	Coal stripping services, nec	8	1	61	275	50	102	247	532	460	965	27	(NA)	(NA)
13	Oil and gas extraction	587	18	3,926	19,570	2,295	4,149	8,089	23,588	18,446	32,990	9,044	4,203	17,459
1311	Crude petroleum and natural gas	444	12	3,018	16,205	1,454	2,530	5,047	17,649	13,899	22,954	8,594	3,349	12,528
	Crude petroleum	349	10	2,412	13,474	998	1,705	3,104	13,122	10,110	17,600	5,632	2,680	5,645
	Natural gas	95	2	606	2,731	456	825	1,943	4,527	3,789	5,354	2,962	669	6,883
138	Oil and gas field services:													
1381	Drilling oil and gas wells	112	6	808	3,085	754	1,480	2,780	5,287	3,339	8,194	432	772	4,537
10, 14	Metal mining and Nonmetallic minerals mining	618	95	8,306	41,548	6,696	13,999	29,999	89,101	[2]32,908	[3]114,007	[4]8,002	8,340	r76,811
	Mineral industries	455	72	6,828	34,865	5,244	11,077	23,431	66,790	27,864	86,674	7,980	6,252	58,639
	Included in manufactures	163	23	[3]1,478	[3]6,683	[3]1,452	2,922	6,568	22,311	[2]5,044	[3]27,333	[4]22	[3]2,088	r18,172
	Dimension stone	14	2	331	1,112	304	558	995	1,726	510	2,202	34	802	4,166
	Crushed and broken stone	131	50	4,022	19,705	3,344	7,126	15,238	43,126	[2]17,848	[3]57,221	[4]3,753	3,637	r37,026
1421	Mineral industry	110	38	3,485	16,972	2,807	5,997	12,505	30,323	15,272	41,842	3,753	3,042	r37,026
	Included in manufactures	21	12	[3]537	[3]2,733	[3]537	1,129	2,733	12,803	[2]2,576	[3]15,379	(NA)	[3]595	
	Crushed and broken limestone (Mineral subindustry)	101	36	2,931	14,752	2,326	5,123	10,681	26,302	13,504	36,782	3,024	2,911	26,056
	Crushed and broken stone, nec (Mineral subindustry)	9	2	554	2,220	481	874	1,824	4,021	1,768	5,060	729	(NA)	(NA)
	Sand and gravel	305	28	2,674	12,715	2,168	4,600	9,817	33,504	[2]10,310	[3]40,009	[4]3,805	(NA)	(NA)
1441	Mineral industry	289	28	2,604	12,403	2,098	4,460	9,505	31,576	10,206	37,977	3,805	2,267	23,844
	Included in manufactures	16	...	[3]70	[3]312	[3]70	140	312	1,928	[2]104	[3]2,032	(NA)	(NA)	(NA)
	Common sand and gravel (Mineral subindustry)	270	24	2,337	11,274	1,868	4,008	8,528	28,789	8,887	34,083	3,593	2,061	22,753
	Glass sand and molding sand	19	4	267	1,129	230	452	977	2,787	1,319	3,894	212	206	1,091
	Clay and related minerals	151	13	791	3,762	736	1,442	3,357	9,515	[2]3,141	[3]12,302	[4]354	1,088	10,640
145	Mineral industries	30	6	289	1,424	234	438	1,019	4,020	1,500	5,166	354	449	6,306
	Included in manufactures	121	7	[3]502	[3]2,338	[3]502	1,004	2,338	5,495	[2]1,641	[3]7,136	(NA)	[3]639	4,334
	Fire clay	80	11	538	2,589	494	938	2,245	6,291	[2]1,959	[3]7,935	[4]315	799	8,618
1453	Mineral industry	24	5	242	1,164	198	346	820	3,422	961	4,068	315	430	6,103
	Included in manufactures	56	6	[3]296	[3]1,425	[3]296	592	1,425	2,869	[2]998	[3]3,867	(NA)	[3]369	2,515
	Clay and related minerals, nec	71	2	253	1,173	242	504	1,112	3,224	1,182	4,367	(NA)	289	2,022
	Included in manufactures	65	1	[3]206	[3]913	[3]206	412	913	2,626	[2]643	[3]3,269	(NA)	[3]270	1,819
	Miscellaneous minerals, nec	12	2	[3]109	[3]417	[3]106	191	408	788	[2]332	[3]1,106	[4]14	[3]153	842

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	124,079	62,423	29,599	12,844	19,213	29,094	4,615	24,479	xxx	xxx	xxx	xxx
12	Bituminous coal mining	77,769	36,110	27,706	4,357	9,596	12,070	966	11,104	xxx	xxx	xxx	xxx
1211	Bituminous coal	77,169	35,709	27,706	4,226	9,528	12,028	966	11,062	33,932	138,218	38	91
13	Oil and gas extraction	18,446	[3]8,345	([3])	6,968	3,133	9,044	3,464	5,580	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	13,899	4,828	xxx	6,333	2,738	8,594	3,405	5,189	xxx	22,641	xxx	545
	Crude petroleum	10,110	3,194	xxx	4,864	2,052	5,632	2,114	3,518	[4]5,049	14,888	[4]279	821
	Natural gas	3,789	1,634	xxx	1,469	686	2,962	1,291	1,671	[5]17,773	4,953	[5]11,597	2,524
1381	Drilling oil and gas wells	3,339	2,322	xxx	627	390	432	59	373	xxx	[6]7,346	xxx	([6])
10 14	Metal mining and Nonmetallic minerals mining	27,864	[3]19,861	([3])	1,519	6,484	7,980	185	7,795	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	15,272	11,082	304	687	3,199	3,753	71	3,682	24,295	37,811	[7]10,924	[7]16,015
	Crushed and broken limestone	13,504	10,129	304	669	2,402	3,024	61	2,963	23,548	34,355	(NA)	(NA)
	Crushed and broken stone, nec	1,768	953	...	18	797	729	10	719	747	3,456	28	35
1441	Sand and gravel	10,206	[3]6,[illegible]96	([3])	658	2,952	3,805	84	3,721	29,513	[8]38,500	[8]2,167	([6])
	Common sand and gravel	8,887	[3]5,468	([3])	593	2,826	3,593	81	3,512	28,371	[8]34,832	[8]2,315	([6])
145	Clay and related minerals	1,500	862	150	171	317	354	4	350	xxx	xxx	xxx	xxx

NA Not available

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[7]Represents net shipments plus stone produced and used in the same establishment in making manufactured products, including stone so used in the crushed and broken stone industry amounting to less than one percent of the total. The value of stone produced and used was estimated.

[8]Includes products produced and used in the same establishment in making manufactured products. The value of such products was estimated. For value of shipments see also footnote 6.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	1,280	1,249	727	111	158	458	507	52	407	48	15	31
	Number of employees	19,760	19,721	6,120	944	1,731	3,445	13,101	[3]3,658	[3]8,037	1,406	500	39
	Value added in mining, $1,000	184,377	184,600	56,383	5,909	25,630	24,844	125,516	[3]27,670	[3]81,680	16,166	2,701	([4])
1211	Bituminous coal:												
	Number of establishments	383	379	223	107	97	19	146	50	76	20	10	4
	Number of employees	9,938	9,933	2,679	931	1,371	377	6,803	3,658	2,030	1,115	451	5
	Value added in mining, $1,000	100,122	100,122	34,329	5,745	22,324	6,260	63,674	27,670	23,547	12,457	2,119	...
1311	Crude petroleum and natural gas:												
	Number of establishments	444	425	425	...	...	425	...	...	...	...	...	19
	Number of employees	3,018	3,000	3,000	...	...	3,000	...	...	...	...	...	18
	Value added in mining, $1,000	17,649	17,872	17,872	...	...	17,872	...	...	...	...	...	([4])
10 132 14	Metal mining, Natural gas liquids, and Nonmetallic minerals mining:												
	Number of establishments	453	445	79	4	61	14	361	2	331	28	6	3
	Number of employees	6,804	6,788	441	13	360	68	6,298	(D)	(D)	291	49	16
	Value added in mining, $1,000	66,606	66,606	4,182	164	3,306	712	61,842	(D)	(D)	3,709	582	...
142	Crushed and broken stone:												
	Number of establishments	110	110	1	...	1	...	106	2	104	...	3	...
	Number of employees	3,485	3,485	(D)	...	(D)	...	3,453	(D)	(D)	...	(D)	...
	Value added in mining, $1,000	30,323	30,323	(D)	...	(D)	...	29,974	(D)	(D)	...	(D)	...
144	Sand and gravel:												
	Number of establishments	289	282	45	...	32	13	237	...	209	28	...	7
	Number of employees	2,604	(D)	(D)	...	268	(D)	2,266	...	1,975	291	...	(D)
	Value added in mining, $1,000	31,576	(D)	(D)	...	2,251	(D)	28,732	...	25,023	3,709	...	(D)
	Common sand and gravel:												
	Number of establishments	270	269	46	...	28	18	222	...	194	28	1	1
	Number of employees	2,337	(D)	(D)	...	(D)	(D)	2,012	...	1,721	291	(D)	(D)
	Value added in mining, $1,000	28,789	(D)	(D)	...	(D)	(D)	26,027	...	22,318	3,709	(D)	(D)
145	Clay and related minerals:												
	Number of establishments	30	30	21	4	16	1	9	...	9	...	...	...
	Number of employees	289	289	78	13	(D)	(D)	211	...	211	...	...	...
	Value added in mining, $1,000	4,020	4,020	1,087	164	(D)	(D)	2,933	...	2,933	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for 13 sand and gravel establishments for which the method of mining was not specified.
[2] Includes data for 6 sand and gravel establishments for which the method of mining was not specified.
[3] Figures for 2 underground stone quarries are included with those for open-pit mines.
[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	OHIO:													
	All mineral operations	1,599	210	22,268	114,990	17,359	32,686	79,924	213,647	[3]129,123	[4]313,654	[5]29,116	23,742	[r]184,997
	Mineral industries	1,436	187	20,790	108,307	15,907	29,764	73,356	191,336	124,079	286,321	29,094	21,654	166,825
	Included in manufactures	163	23	[4]1,478	[4]6,683	[4]1,452	2,922	6,568	22,311	[3]5,044	[4]27,333	[5]22	[4]2,088	[r]18,172
	COUNTIES													
	Allen	9	2	106	493	90	166	403	1,185	430	1,563	52	[6]70	[7]695
	Ashland (mineral industries only)	20	1	66	247	(NA)	(NA)	(NA)	(NA)	(NA)	505	(NA)	[6]64	(NA)
	Ashtabula	10	1	58	270	(NA)	(NA)	(NA)	(NA)	(NA)	1,581	(NA)	67	349
	Athens (mineral industries only)	54	2	370	1,409	(NA)	(NA)	(NA)	(NA)	(NA)	4,665	(NA)	[6]544	(NA)
12	Bituminous coal mining	18	1	274	1,066	252	398	993	1,902	2,060	3,890	72	469	2,422
	Auglaize	7	1	58	212	37	86	161	563	218	695	86	[6]39	(NA)
	Belmont	53	15	1,972	10,836	(NA)	(NA)	(NA)	(NA)	(NA)	27,572	(NA)	[6 8]2,910	(NA)
12	Bituminous coal mining	47	15	1,948	10,762	1,768	3,063	9,712	19,465	8,857	27,443	879	2,886	18,557
	Butler (including operations in manufactures)	12	2	[4]100	[4]509	(NA)	(NA)	(NA)	(NA)	(NA)	[4]2,236	(NA)	[4 6]47	[7]460
	Sand and gravel (including operations in manufactures)	9	2	[4]95	[4]480	[4]78	145	375	1,970	(D)	[4]2,156	(D)	(NA)	(NA)
	Carroll:													
	- Including operations in manufactures	19	4	[4]228	[4]930	(NA)	(NA)	(NA)	(NA)	(NA)	[4]1,965	(NA)	(NA)	(NA)
	Mineral industries only	15	3	198	788	(NA)	(NA)	(NA)	(NA)	(NA)	1,704	(NA)	[6]216	(NA)
12	Bituminous coal mining	8	2	143	542	130	221	463	849	(D)	1,167	(D)	[9]190	[9]1,078
144	Clark (mineral industries only)	8	...	71	273	57	106	200	381	230	540	71	45	337
	Columbiana:													
	Including operations in manufactures	61	11	[4]584	[4]3,221	(NA)	(NA)	(NA)	(NA)	(NA)	[4]7,745	(NA)	[4 6]546	(NA)
	Mineral industries only	56	8	506	2,815	(NA)	(NA)	(NA)	(NA)	(NA)	7,471	(NA)	(NA)	(NA)
12	Bituminous coal mining	37	6	394	1,957	351	687	1,732	3,884	2,512	5,681	715	389	3,101
	Nonmetallic minerals mining:													
	Including operations in manufactures	14	5	[4]179	[4]1,211	[4]139	308	770	1,706	[3]747	[4]2,411	[5]42	[4]127	1,106
14	Mineral industries only	9	2	101	805	61	151	364	1,490	543	1,991	42	54	812
	Coshocton, total:													
	Including oil and gas extraction	92	12	621	2,707	(NA)	(NA)	(NA)	(NA)	(NA)	10,425	(NA)	[6]493	(NA)
	Excluding oil and gas extraction	34	9	438	1,864	406	655	1,690	4,579	1,789	6,179	189	360	2,839
12	Bituminous coal mining	22	9	395	1,735	363	586	1,562	4,168	1,722	5,712	178	320	2,535
13	Oil and gas extraction, total	58	3	183	843	(NA)	(NA)	(NA)	(NA)	(NA)	4,246	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	35	1	85	316	(NA)	(NA)	(NA)	(NA)	(NA)	2,916	(NA)	133	(NA)
138	Oil and gas field services	23	2	98	527	(NA)	(NA)	(NA)	(NA)	(NA)	1,330	(NA)	(NA)	(NA)
	Cuyahoga:													
	Including operations in manufactures	31	2	975	9,259	(NA)	(NA)	(NA)	(NA)	(NA)	[4]2,784	(NA)	(NA)	(NA)
	Mineral industries only	25	2	965	9,209	(NA)	(NA)	(NA)	(NA)	(NA)	2,550	(NA)	[6]543	(NA)
	Nonmetallic minerals mining (including operations in manufactures)	16	2	[4]136	[4]726	[4]103	240	537	1,808	[3]742	[4]2,491	[5]59	[4 8]119	[8]1,504
144	Sand and gravel	9	1	90	455	64	140	316	1,008	(D)	1,349	(D)	108	1,423
	Clay and related minerals (including operations in manufactures)	7	1	[4]46	[4]271	[4]39	100	221	800	(D)	[4]1,142	(D)	(NA)	(NA)
	Darke (mineral industries only)	7	1	31	115	28	48	97	280	60	316	24	[6]85	(NA)
142	Delaware (mineral industries only)	4	...	54	206	48	78	172	806	397	927	276	47	484
	Erie (including operations in manufactures)	6	3	[4]195	[4]1,140	[4]155	325	872	2,640	[3]1,400	[4]3,802	[5]238	[4 8]139	[8]2,507
	Fairfield	19	...	49	171	(NA)	(NA)	(NA)	(NA)	(NA)	317	(NA)	[6]101	(NA)
142	Fayette	3	3	99	438	80	169	325	700	(D)	779	(D)	92	616

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Franklin:													
	Including operations in manufactures	17	3	[4]632	[4]3,611	[4]416	905	1,965	6,582	[3]1,972	[4]8,004	[3]550	(NA)	(NA)
	Mineral industries only	13	3	626	3,584	410	893	1,938	6,421	1,958	7,829	550	380	3,895
	Gallia:													
	Including oil and gas extraction	27	5	322	1,196	(NA)	(NA)	(NA)	(NA)	(NA)	4,392	(NA)	[6]318	(NA)
	Excluding oil and gas extraction	24	5	315	1,170	268	507	1,061	2,353	2,493	4,345	501	65	2,315
12	Bituminous coal mining	21	3	244	954	205	367	864	1,981	2,002	3,681	302	253	1,951
144	Geauga	12	2	203	837	166	393	692	1,616	845	2,211	250	128	942
144	Greene (mineral industries only)	5	...	30	144	22	41	99	188	94	191	91	28	124
	Guernsey	17	1	132	529	(NA)	(NA)	(NA)	(NA)	(NA)	1,221	(NA)	[6]170	(NA)
	Hamilton	19	5	262	1,498	191	438	1,010	4,538	6,044	10,367	215	326	4,083
144	Sand and gravel	14	3	182	998	135	306	704	3,091	380	3,375	96	(NA)	(NA)
	Hancock (including operations in manufactures)	9	2	[4]1,346	[4]10,105	(NA)	(NA)	(NA)	(NA)	(NA)	[4]1,028	(NA)	[4]1,161	(NA)
	Nonmetallic minerals mining (including operations in manufactures)	5	2	[4]104	[4]683	[4]54	125	237	676	[3]412	[4]1,005	[3]83	[8]108	[8]503
	Harrison (mineral industries only)	22	10	2,119	11,994	(NA)	(NA)	(NA)	(NA)	(NA)	54,262	(NA)	[6]1,623	(NA)
12	Bituminous coal mining	18	10	2,099	11,857	1,856	2,921	9,888	28,176	28,315	53,958	2,533	[9]1,578	[9]18,549
	Henry (including operations in manufactures)	4	...	[4]6	[4]31	[4]6	15	31	87	(D)	[4]110	(D)	(NA)	(NA)
14	Highland (mineral industries only)	5	1	45	191	38	79	155	522	(D)	736	(D)	37	286
	Hocking (mineral industries only):													
	Including oil and gas extraction	35	...	100	402	(NA)	(NA)	(NA)	(NA)	(NA)	690	(NA)	[6]143	(NA)
	Excluding oil and gas extraction	7	...	20	70	17	31	58	149	160	300	9	79	(NA)
	Holmes:													
	Including operations in manufactures	73	1	194	860	(NA)	(NA)	(NA)	(NA)	(NA)	2,754	(NA)	[6]172	(NA)
	Mineral industries only	70	1	192	851	(NA)	(NA)	(NA)	(NA)	(NA)	2,645	(NA)	[6]141	(NA)
13	Oil and gas extraction	59	1	145	668	(NA)	(NA)	(NA)	(NA)	(NA)	2,222	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	30	1	67	249	(NA)	(NA)	(NA)	(NA)	(NA)	1,329	(NA)	94	(NA)
	Jackson (mineral industries only)	23	1	173	628	(NA)	(NA)	(NA)	(NA)	(NA)	2,068	(NA)	[6]225	[7]2,207
12	Bituminous coal mining	15	...	107	311	99	183	293	806	588	1,297	97	145	1,605
	Jefferson:													
	Including operations in manufactures	53	11	1,030	5,101	(NA)	(NA)	(NA)	(NA)	(NA)	16,354	(NA)	[6]1,516	(NA)
	Mineral industries only	47	11	986	4,869	(NA)	(NA)	(NA)	(NA)	(NA)	16,132	(NA)	[6]1,447	(NA)
12	Bituminous coal mining	41	11	982	4,854	858	1,478	4,052	11,584	5,466	15,997	1,053	[9]1,421	[9]12,408
	Knox	40	2	172	637	(NA)	(NA)	(NA)	(NA)	(NA)	2,246	(NA)	217	(NA)
14	Nonmetallic minerals mining	7	2	100	450	89	175	397	1,121	(D)	1,473	(D)	81	632
144	Lake (mineral industries only)	6	...	32	163	15	33	84	276	78	352	2	14	233
	Lawrence (mineral industries only):													
	Including oil and gas extraction	18	1	161	560	(NA)	(NA)	(NA)	(NA)	(NA)	2,107	(NA)	[6]167	[7]1,419
	Excluding oil and gas extraction	11	1	133	450	129	171	434	1,409	726	1,915	220	(NA)	1,419
	Licking	60	3	335	1,389	(NA)	(NA)	(NA)	(NA)	(NA)	2,937	(NA)	[6]310	(NA)
13	Oil and gas extraction	50	3	276	1,124	(NA)	(NA)	(NA)	(NA)	(NA)	2,208	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	32	2	216	802	(NA)	(NA)	(NA)	(NA)	(NA)	1,632	(NA)	245	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Logan	8	...	23	88	19	33	73	163	72	225	10	41	272
	Lorain (mineral industries only)	10	3	619	2,708	(NA)	(NA)	(NA)	(NA)	(NA)	3,972	(NA)	[6]31	(NA)
14	Nonmetallic minerals mining	7	2	593	2,611	452	817	1,718	2,913	1,162	3,836	239	(NA)	(NA)
14	Lucas (mineral industries only)	5	1	52	438	41	107	295	782	(D)	1,007	(D)	[6]456	[7]1,588
	Mahoning (including operations in manufactures), total	17	5	279	1,659	216	461	1,184	3,229	[3]2,578	[4]5,613	[5]194	[8]447	[8]4,394
12	Bituminous coal mining	12	4	204	1,212	164	366	912	2,331	2,344	4,507	168	150	1,856
	Nonmetallic minerals mining (including operations in manufactures)	5	1	[4]75	[4]447	[4]52	95	272	898	[3]234	[4]1,106	[5]26	[8]297	[8]2,538
	Marion (mineral industries only)	4	1	73	334	62	114	277	696	407	1,025	78	65	791
	Medina (mineral industries only)	27	1	194	933	(NA)	(NA)	(NA)	(NA)	(NA)	3,522	(NA)	[6]146	(NA)
13	Oil and gas extraction	23	1	148	620	(NA)	(NA)	(NA)	(NA)	(NA)	2,663	(NA)	(NA)	(NA)
	Meigs	39	4	253	998	(NA)	(NA)	(NA)	(NA)	(NA)	3,288	(NA)	[6]386	(NA)
12	Bituminous coal mining	8	2	128	454	123	205	428	671	1,672	1,800	543	266	2,200
	Miami (mineral industries only)	4	1	110	582	(NA)	(NA)	(NA)	(NA)	(NA)	1,784	(NA)	123	964
	Monroe	63	...	105	386	(NA)	(NA)	(NA)	(NA)	(NA)	628	(NA)	[6]185	(NA)
14	Montgomery (mineral industries only)	25	2	192	784	164	309	658	2,638	565	2,972	231	175	1,589
	Morgan	36	3	353	2,129	(NA)	(NA)	(NA)	(NA)	(NA)	7,682	(NA)	[6]162	(NA)
	Muskingum (mineral industries only), total	65	5	431	2,185	(NA)	(NA)	(NA)	(NA)	(NA)	6,412	(NA)	[6]516	(NA)
12	Bituminous coal mining	12	3	180	910	154	312	793	1,483	1,020	2,210	293	284	2,373
13	Oil and gas extraction, total	45	1	163	735	(NA)	(NA)	(NA)	(NA)	(NA)	3,043	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	26	...	85	316	(NA)	(NA)	(NA)	(NA)	(NA)	1,353	(NA)	153	(NA)
138	Oil and gas field services	19	1	78	419	(NA)	(NA)	(NA)	(NA)	(NA)	1,690	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining (mineral industries only)	8	1	88	540	62	164	327	952	301	1,159	94	79	681
	Noble (mineral industries only)	34	2	191	1,013	(NA)	(NA)	(NA)	(NA)	(NA)	2,930	(NA)	[6]317	(NA)
12	Bituminous coal mining	6	2	135	794	115	198	665	1,608	1,227	2,577	258	268	2,088
	Ottawa (including operations in manufactures)	7	5	[4]327	[4]1,448	(NA)	(NA)	(NA)	(NA)	(NA)	[4]3,408	(NA)	[6] [8]219	(NA)
142	Paulding (mineral industries only)	3	1	39	236	29	52	167	635	325	901	59	(NA)	(NA)
	Perry: Including operations in manufactures	93	9	[4]784	[4]3,895	(NA)	(NA)	(NA)	(NA)	(NA)	[4]11,738	(NA)	[4][6]1,773	(NA)
	Mineral industries only	83	8	740	3,704	(NA)	(NA)	(NA)	(NA)	(NA)	10,769	(NA)	[6]1,752	(NA)
12	Bituminous coal mining	21	5	461	2,512	415	638	2,319	5,321	(D)	7,346	(D)	609	5,541
131	Crude petroleum and natural gas	44	2	156	579	(NA)	(NA)	(NA)	(NA)	(NA)	1,384	(NA)	149	(NA)
14	Pike	6	1	43	137	36	54	104	440	170	570	40	167	1,552
	Portage (mineral industries only)	29	2	236	1,147	(NA)	(NA)	(NA)	(NA)	(NA)	4,474	(NA)	[6]200	(NA)
14	Nonmetallic minerals mining (mineral industries only)	25	1	198	950	176	339	816	3,260	1,462	3,965	757	165	2,574
144	Sand and gravel	20	1	157	749	140	268	656	2,094	612	2,386	320	(NA)	(NA)
14	Preble	4	1	47	179	45	96	162	225	110	312	23	56	127
	Putnam (mineral industries only)	4	...	29	124	24	49	94	316	114	400	30	[6]35	[7]224
	Richland (mineral industries only)	5	2	55	223	48	83	200	517	115	569	63	18	160

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
144	Ross (mineral industries only)	5	1	49	198	38	84	140	440	(D)	550	(D)	89	745
	Sandusky:													
	Including operations in manufactures	14	5	267	1,236	(NA)	(NA)	(NA)	(NA)	(NA)	[4]5,494	(NA)	[6]243	(NA)
	Mineral industries only	8	2	124	576	(NA)	(NA)	(NA)	(NA)	(NA)	1,529	(NA)	[6]65	(NA)
	Nonmetallic minerals mining:													
	Including operations in manufactures	10	5	[4]264	[4]1,225	[4]235	494	1,086	4,779	[3]721	[4]5,485	[5]15	[4]238	3,895
14	Mineral industries only	4	2	121	565	92	203	426	1,221	314	1,520	15	(NA)	(NA)
14	Scioto (mineral industries only)	7	1	33	117	28	35	100	252	(D)	314	(D)	73	437
14	Shelby	3	...	33	150	25	54	99	237	196	381	52	26	309
	Stark, total:													
	Including operations in manufactures	67	9	546	2,351	(NA)	(NA)	(NA)	(NA)	(NA)	[4]7,782	(NA)	[6]490	(NA)
	Mineral industries only	58	7	463	1,945	(NA)	(NA)	(NA)	(NA)	(NA)	6,415	(NA)	[6]441	(NA)
12	Bituminous coal mining	20	5	275	1,025	196	397	835	1,985	1,013	2,808	190	250	1,736
13	Oil and gas extraction	19	...	50	229	(NA)	(NA)	(NA)	(NA)	(NA)	1,090	(NA)	18	(NA)
	Nonmetallic minerals mining:													
	Including operations in manufactures	28	4	221	1,097	200	419	983	3,044	[3]1,088	[4]3,884	[5]248	222	3,417
14	Mineral industries only	19	2	138	691	117	250	577	2,015	750	2,517	248	173	2,760
	Clay and related minerals (including operations in manufactures)	10	2	[4]70	[4]352	[4]68	140	342	1,384	(D)	[4]1,810	(D)	[4 8]71	[8]1,678
	Summit (mineral industries only)	29	1	352	1,916	(NA)	(NA)	(NA)	(NA)	(NA)	5,099	(NA)	[6]390	(NA)
14	Nonmetallic minerals mining (mineral industries only)	16	1	324	1,789	277	596	1,488	3,400	990	4,259	131	377	2,683
	Tuscarawas:													
	Including operations in manufactures	103	13	1,030	4,949	(NA)	(NA)	(NA)	(NA)	(NA)	[4]12,215	(NA)	[4]1,238	(NA)
	Mineral industries only	77	12	881	4,292	(NA)	(NA)	(NA)	(NA)	(NA)	10,494	(NA)	1,015	(NA)
12	Bituminous coal mining	46	12	754	3,792	657	1,270	3,097	5,935	3,167	8,619	483	901	6,564
	Nonmetallic minerals mining:													
	Including operations in manufactures	43	1	[4]250	[4]1,044	[4]230	433	944	2,485	[3]978	[4]3,337	[5]126	[4]310	2,635
14	Mineral industries only	17	...	101	387	81	139	287	1,301	441	1,616	126	87	1,106
	Clay and related minerals (including operations in manufactures)	30	1	[4]174	[4]765	[4]166	325	694	1,594	[3]670	[4]2,234	[5]30	(NA)	(NA)
142	Union	3	...	41	166	31	52	126	502	147	437	212	(NA)	(NA)
	Vinton (mineral industries only)	18	1	158	503	(NA)	(NA)	(NA)	(NA)	(NA)	1,142	(NA)	[6]140	(NA)
144	Warren (mineral industries only)	4	...	24	116	19	33	79	207	95	290	12	(NA)	(NA)
	Washington (mineral industries only):													
	Including oil and gas extraction	109	...	240	964	(NA)	(NA)	(NA)	(NA)	(NA)	2,065	(NA)	[6]280	(NA)
	Excluding oil and gas extraction	10	...	63	255	53	86	197	515	264	694	85	52	371
13	Oil and gas extraction	99	...	177	709	(NA)	(NA)	(NA)	(NA)	(NA)	1,371	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	84	...	152	575	(NA)	(NA)	(NA)	(NA)	(NA)	1,234	(NA)	228	(NA)
	Wayne (mineral industries only), total	53	3	318	1,534	(NA)	(NA)	(NA)	(NA)	(NA)	7,785	(NA)	[6]108	(NA)
12&14	Bituminous coal mining and Nonmetallic minerals mining (mineral industries only)	6	1	101	532	85	230	468	746	890	1,493	143	62	452
13	Oil and gas extraction, total	47	2	217	1,002	(NA)	(NA)	(NA)	(NA)	(NA)	6,292	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	22	2	99	368	(NA)	(NA)	(NA)	(NA)	(NA)	4,376	(NA)	46	(NA)
138	Oil and gas field services	25	...	118	634	(NA)	(NA)	(NA)	(NA)	(NA)	1,916	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Wood (mineral industries only)	11	...	65	320	(NA)	(NA)	(NA)	(NA)	(NA)	667	(NA)	[6]57	(NA)
14	Nonmetallic minerals mining (mineral industries only)..	5	...	61	304	52	118	240	473	197	641	29	54	396
	Wyandot (mineral industries only).....	8	2	235	1,063	205	425	915	2,355	948	3,008	295	[6]253	(NA)
13	Undistributed.....	79	3	232	1,426	(NA)	(NA)	(NA)	(NA)	(NA)	3,161	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas.....	49	2	139	804	(NA)	(NA)	(NA)	(NA)	(NA)	2,111	(NA)	(NA)	(NA)
138	Oil and gas field services..	30	1	93	622	(NA)	(NA)	(NA)	(NA)	(NA)	1,050	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available. [r]Revised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field and other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]Excludes data for the Oil and Gas Field Services Industries.
[7]Excludes data for the Oil and Gas Extraction Industries.
[8]Represents mineral industries only.
[9]Represents the Bituminous Coal Industry only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Ohio, total.....	1,599	1,436	163	...	...	1	...	...	...	...	1	383	11	444	1	142	11	3	110	21	289	16	30	121	...	3	10	2
No employees.....	153	134	19	...	...	...	...	...	...	...	...	29	...	76	...	7	1	...	2	...	13	2	3	17	...	...	3	...
1-4 employees.....	748	663	85	...	...	...	...	...	...	...	...	125	6	306	...	67	7	...	13	3	121	8	14	74	...	1	3	...
5-9 employees.....	244	223	21	...	...	1	...	...	...	...	...	58	3	31	1	41	2	1	13	1	65	4	4	15	...	1	3	...
10-19 employees...	244	229	15	...	...	...	...	...	...	...	1	75	1	19	...	21	1	...	44	5	62	2	3	8	...	1	1	...
20-49 employees...	139	123	16	...	...	...	...	...	...	...	...	57	1	8	...	4	...	...	25	8	23	...	5	7	...	...	...	1
50-99 employees...	42	37	5	...	...	...	...	...	...	...	...	20	...	2	...	2	...	...	8	4	4	...	1	...	...	...	...	1
100-249 employees.	20	18	2	...	...	...	...	...	...	...	...	13	...	1	...	...	...	2	3	...	1	...	...	...	...	...	...	...
250-499 employees.	8	8	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...
500-999 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Allen:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	3	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Ashland:																												
0-19 employees....	21	19	2	...	...	...	...	...	...	...	...	...	...	13	...	4	...	...	...	...	2	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ashtabula:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Athens:																												
0-19 employees....	54	52	2	...	...	...	...	...	...	...	...	17	...	24	...	8	...	...	3	...	...	1	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Auglaize:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Belmont:																												
0-19 employees....	38	38	...	...	...	...	...	...	1	...	...	29	3	3	...	...	1	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Butler:																												
0-19 employees....	10	6	4	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	3	4	...	...	...	1	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	15	12	3	...	...	...	...	...	...	...	...	6	...	3	...	2	...	...	...	...	...	...	1	3	...	...	...	...
20-99 employees...	4	3	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Champaign:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clark:																												
0-19 employees....	10	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	8	1	...	...	...	...	...	...
Clermont:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clinton:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Columbiana:																												
0-19 employees....	50	48	2	...	...	...	...	...	...	...	...	25	6	5	...	5	...	...	1	...	4	...	2	2	...	...	...	...
20-99 employees...	11	8	3	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	1	...	1	3	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Coshocton:																											
0-19 employees....	80	80	...	...	...	...	...	...	...	...	...	13	...	34	...	21	5	...	...	...	7	...	...	...	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	9	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Crawford:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cuyahoga:																											
0-19 employees....	29	23	6	...	...	...	...	...	...	...	...	...	...	11	...	4	...	...	...	...	8	...	...	6	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
Darke:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	5	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Defiance:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Delaware:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Erie:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Fairfield:																											
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	11	...	3	...	...	...	...	5	...	...	...	...	...	...	...
Fayette:																											
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Franklin:																											
0-19 employees....	14	10	4	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	8	1	...	3	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Gallia:																											
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	18	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Geauga:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Greene:																											
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Guernsey:																											
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	10	...	3	...	2	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hamilton:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	11	...	1	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
Hancock:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	1	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Hardin:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...
Harrison:																											
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	8	...	1	...	2	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Henry:																											
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	...	...	...	...
Highland:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hocking:																											
0-19 employees....	39	35	4	...	...	...	...	...	...	...	...	5	...	22	...	6	...	...	...	...	2	...	...	4	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Holmes:																											
0-19 employees....	72	69	3	...	...	...	...	...	...	...	...	3	...	29	...	29	3	...	1	...	4	...	...	3	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Huron:																											
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...
Jackson:																											
0-19 employees....	23	22	1	...	...	...	...	...	...	...	...	15	...	1	...	...	...	...	...	...	1	...	4	1	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Jefferson:																											
0-19 employees....	42	36	6	...	...	...	...	...	...	...	...	30	...	4	...	2	...	...	...	...	...	...	...	6	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Knox:																											
0-19 employees....	38	38	...	...	...	...	...	...	...	...	...	...	...	24	...	9	1	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Lake:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	1	...	...	...	...
Lawrence:																											
0-19 employees....	21	17	4	...	...	...	...	...	...	...	...	4	...	6	...	1	...	...	1	1	1	...	4	3	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Licking:																											
0-19 employees....	57	57	...	...	...	...	...	...	...	...	...	...	...	30	...	17	...	...	...	...	10	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Logan:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	...	4	...	...	...	...	...	...	...
Lorain:																											
0-19 employees....	8	7	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	2	...	3	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lucas:																											
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Madison:																											
0-19 employees....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	2	...	1	...	...	...	...
Mahoning:																											
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	2	...	1	1	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Marion:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Medina:																											
0-19 employees....	28	26	2	...	...	...	...	...	...	...	...	...	...	12	1	9	...	...	...	...	3	...	...	2	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meigs:																											
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	6	...	22	...	6	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Mercer:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Miami:																											
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	63	63	...	...	...	...	...	...	...	...	...	...	...	57	...	4	...	...	2	...	...	...	...	...	...	...	...	...
Montgomery:																											
0-19 employees....	25	23	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	20	2	...	...	...	1	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Morgan:																											
0-19 employees....	33	33	...	...	...	...	...	...	...	...	...	3	...	18	...	10	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morrow:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Muskingum:																												
0-19 employees....	63	60	3	...	...	...	...	...	...	...	...	9	...	26	...	18	...	...	1	...	4	...	1	3	...	1	...	...
20-99 employees...	6	5	1	...	...	...	...	...	...	...	...	3	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...
Noble:																												
0-19 employees....	33	32	1	...	...	...	...	...	...	...	...	4	...	20	...	5	...	...	3	...	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ottawa:																												
0-19 employees....	2	2	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Paulding:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Perry:																												
0-19 employees....	84	75	9	...	...	...	...	...	...	...	...	14	2	42	...	15	...	...	2	...	...	...	...	9	...	...	...	...
20-99 employees...	8	7	1	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	1	...	...	1	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pickaway:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pike:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	2	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Portage:																												
0-19 employees....	28	27	1	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	3	...	19	...	...	1	...	1	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Preble:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Putnam:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	...	...	...	...	2	...	...	...	...
Richland:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	2	...	...	1	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Ross:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Sandusky:																												
0-19 employees....	9	6	3	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	1	3	1	...	...	...	...	...	...	...
20-99 employees...	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	3	...	...	...	...	...	...	...	...
Scioto:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	1	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
100-249 employees.	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...
Seneca:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Shelby:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Stark:																												
0-19 employees....	58	51	7	...	...	...	...	...	...	...	...	15	...	13	...	6	...	...	1	...	13	...	1	7	...	2	...	...
20-99 employees...	9	7	2	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	1	1	...	...	1	1	...	...	...	...
Summit:																												
0-19 employees....	31	28	3	...	...	...	...	...	...	...	...	...	...	10	...	3	...	...	...	...	11	...	...	3	...	1	3	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Trumbull:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Tuscarawas:																												
0-19 employees....	90	65	25	...	...	...	...	...	...	...	...	33	1	9	...	5	...	...	1	...	11	...	4	25	...	1	...	...
20-99 employees...	12	11	1	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Union:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Van Wert:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Vinton:																												
0-19 employees....	20	17	3	...	...	...	...	...	...	...	...	8	...	3	...	4	...	...	1	...	...	1	...	2	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...
Washington:																												
0-19 employees....	110	109	1	...	...	1	...	...	...	...	...	2	...	84	...	15	...	...	1	...	4	...	...	1	...	...	2	...
Wayne:																												
0-19 employees....	52	50	2	...	...	...	...	...	...	...	...	1	...	20	...	25	...	...	1	...	3	...	...	2	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Williams:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	1	...	...	...	...
Wood:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	...	...	5	...	1	...	...	4	1	...	...	1	...	...	...	...	...
Wyandot:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	2	...	...	1	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	76	76	...	...	...	...	...	...	...	...	...	...	...	47	...	29	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

OKLAHOMA

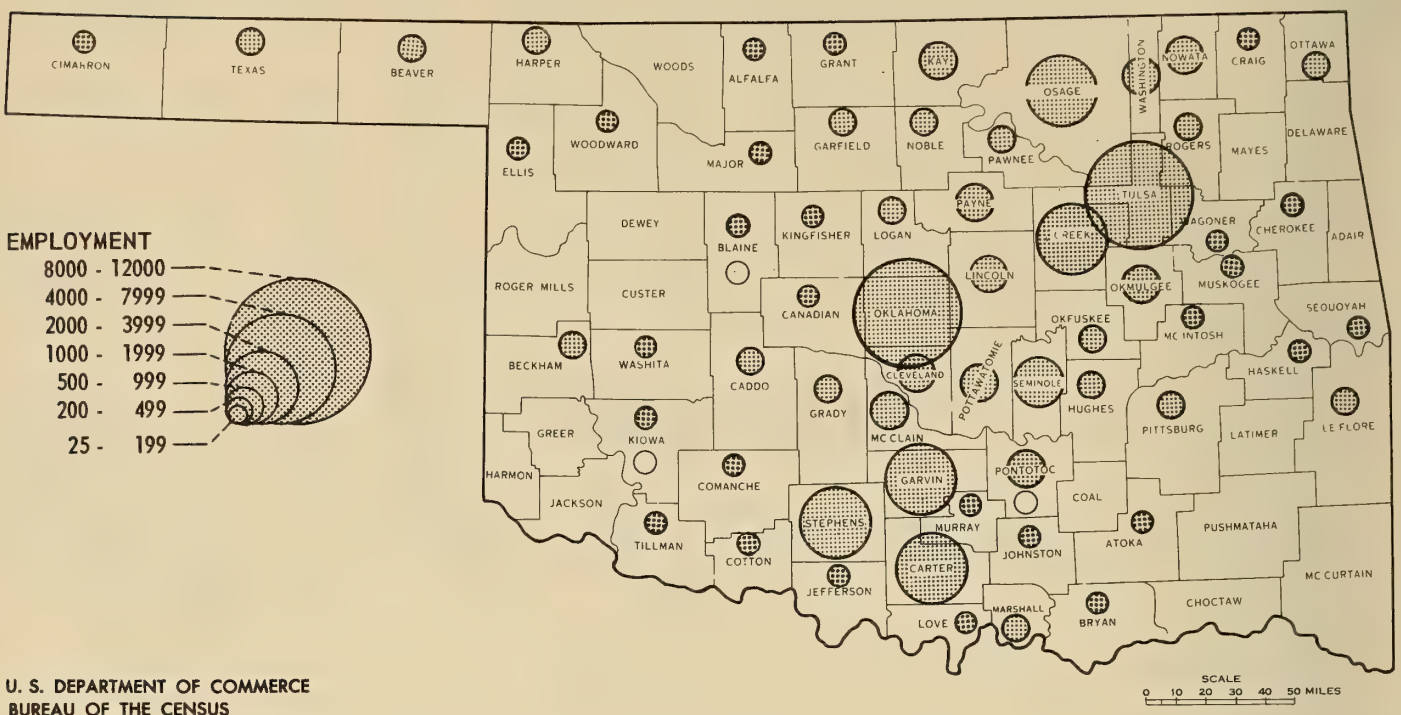
33-1

EMPLOYMENT IN MINING BY COUNTY: 1958

OKLAHOMA

RANK AMONG STATES
EMPLOYMENT - 5
VALUE OF SHIPMENTS - 6

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES

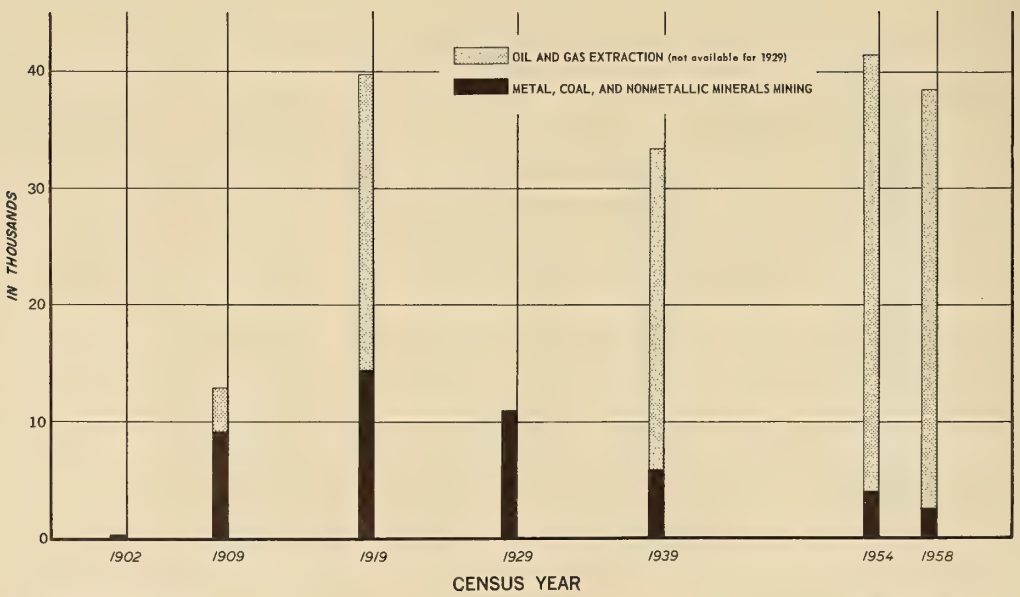


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

OKLAHOMA



DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

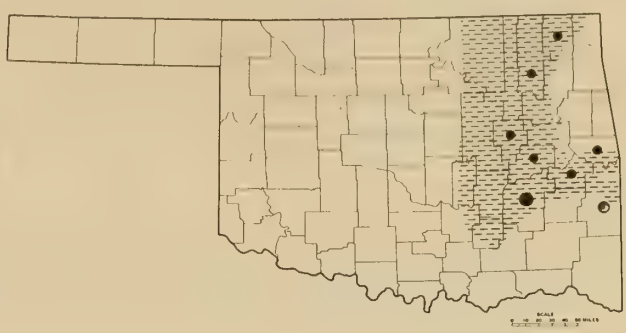
MINING IN OKLAHOMA

Employment For Industry Group By County: 1958

Metal Mining

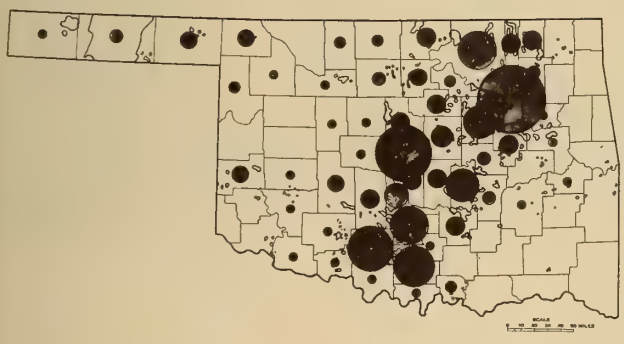


Coal Mining



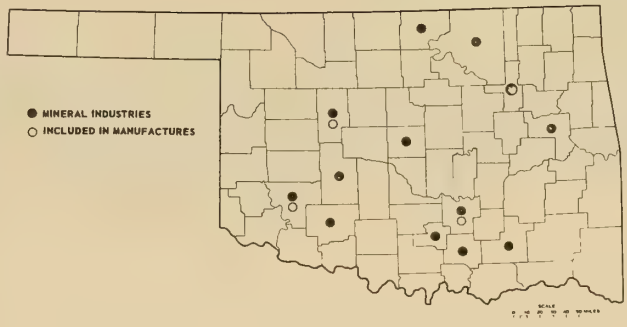
General Extent of Coal Fields

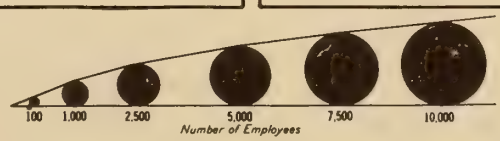
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	2,643	342	38,237	195,321	24,659	47,635	104,668	673,995	[3]135,045	[3]50,538	126,847	60,422	860,630	186,217	[r]31,635	[r]1,283
1954	2,610	393	40,859	176,929	30,294	61,057	115,138	[r]584,366	123,051	17,576	155,980	94,707	755,206	220,465	31,302	1,033
Including operations in manufactures: All operations:																
1958	2,668	347	38,458	196,064	24,876	48,044	105,403	676,924	[4]135,613	[3]50,538	[4]126,847	[5]60,422	864,106	[5]186,238	[5]31,638	[r]1,272
1954[6]	2,627	399	41,100	177,623	30,534	61,532	115,830	[r]586,635	[4]123,700	17,576	[4]155,980	[5]94,720	758,124	[5]220,478	[5]31,302	1,025
1939[7]	[8]1,687	(NA)	33,312	52,548	26,188	46,857	33,892	173,015	21,909	(NA)	13,789	(NA)	208,713	(NA)	23,132	883
1919[9]	1,964	(NA)	39,819	59,452	33,959	(NA)	46,894	192,429	60,560	[10]9,758	19,181	(NA)	281,928	(NA)	[11]7,656	225
1909[9]	888	(NA)	12,959	9,134	11,678	(NA)	7,790	18,025	5,316	[10]131	2,166	(NA)	25,638	(NA)	(NA)	(NA)
1902	[8]22	(NA)	147	77	[12]128	(NA)	65	151	32	(NA)	4	(NA)	187	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	182	33	2,532	11,184	2,134	4,448	9,390	23,069	[4]10,060	([3])	[4]955	[5]1,856	33,826	[5]2,114	[r][5]455	[r]213
1954[6]	238	44	3,595	13,284	3,371	7,273	12,238	26,301	[4]8,536	6,864	[4]797	[5]2,089	42,673	[5]1,914	[5]477	142
1939[7]	[8]241	(NA)	5,753	5,940	5,213	10,297	5,050	11,780	3,963	(NA)	177	(NA)	15,920	(NA)	470	90
1929[13]	220	(NA)	10,976	15,578	10,301	(NA)	13,641	25,211	7,644	(NA)	284	950	33,139	(NA)	1,028	100
1919[9]	286	(NA)	14,421	17,917	12,779	(NA)	16,145	25,467	8,479	...	485	(NA)	34,431	(NA)	[11]2,598	203
1909[14]	166	(NA)	9,220	5,930	8,813	(NA)	5,515	6,526	1,364	...	63	(NA)	7,953	(NA)	(NA)	(NA)

NA Not available. [r]Revised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of "Minerals received for preparation." For all other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[3]Figures for minerals received for preparation in the Metal Mining Industries are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For 1958, see also footnote 3.

[5]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[7]Excludes data for dimension stone dressing plants, if any, operated in conjunction with 2 dimension granite quarries.

[8]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[9]Excludes data for sand, gravel, common clay, and shale mining operations, and limestone quarries operated as parts of cement and lime plants. The value of products of such common sand, gravel, common clay, and shale mining operations in 1939 was $613 thousand.

[10]Represents natural gas purchased for resale.

[11]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to only one percent of the total kwh equivalent of energy used; but for "Excluding oil and gas extraction industries" in 1929 it amounted to 9 percent.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for common clay and shale mining operations. There were 9 such mines in 1939 with products valued at $68 thousand.

[14]Includes data for 11 nonproducing crude petroleum and natural gas operations. For 1902, only one establishment was reported in the Crude Petroleum and Natural Gas Industry. Hence, the 1902 figures shown for "All operations" are approximately comparable to the figures for later years shown for "Excluding oil and gas extraction industries." See also footnote 9.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	2,668	347	38,458	196,064	24,876	48,044	105,403	676,924	[2]373,420	[3]864,106	[4]186,238	41,100	r586,635
	Mineral industries	2,643	342	38,237	195,321	24,659	47,635	104,668	673,995	372,852	860,630	186,217	40,859	r584,366
	Included in manufactures	25	5	[3]221	[3]743	[3]217	409	735	2,929	[2]568	[3]3,476	[4]21	[3]241	2,269
10 and 12	Metal mining and Bituminous coal mining	61	11	1,083	5,480	883	1,720	4,549	10,423	5,920	15,599	744	2,209	r14,610
1211	Bituminous coal	31	10	807	4,305	746	1,409	3,921	8,537	3,417	11,327	627	1,165	8,854
13	Oil and gas extraction	2,486	314	35,926	184,880	22,742	43,596	96,013	653,855	360,549	830,280	184,124	37,505	560,325
1311	Crude petroleum and natural gas	1,661	139	22,933	126,007	12,285	22,999	53,248	523,960	247,895	606,756	165,099	22,046	433,563
	Crude petroleum	1,594	134	22,414	123,092	12,074	22,623	52,368	507,573	235,319	587,410	155,482	21,703	416,436
	Natural gas	67	5	519	2,915	211	376	880	16,387	12,576	19,346	9,617	343	17,127
1321	Natural gas liquids	76	30	2,283	13,183	1,623	3,188	8,807	49,926	63,288	105,808	7,406	2,384	[5]27,662
138	Oil and gas field services	749	145	10,710	45,690	8,834	17,409	33,958	79,969	49,366	117,716	11,619	13,075	99,100
1381	Drilling oil and gas wells	382	93	6,595	28,303	5,798	11,352	23,014	55,596	39,270	85,227	9,639	8,915	72,932
1382	Oil and gas exploration services	27	6	381	1,890	307	736	1,469	2,686	1,759	4,316	129	842	4,393
1389	Oil and gas field services, nec	340	46	3,734	15,497	2,729	5,321	9,475	21,687	8,337	28,173	1,851	3,318	21,775
	Nonmetallic minerals mining	121	22	1,449	5,704	1,251	2,728	4,841	12,646	[2]6,951	[3]18,227	[4]1,370	1,386	11,700
14	Mineral industries	96	17	1,228	4,961	1,034	2,319	4,106	9,717	6,383	14,751	1,349	1,145	9,431
	Included in manufactures	25	5	[3]221	[3]743	[3]217	409	735	2,929	[2]568	[3]3,476	[4]21	[3]241	2,269
	Dimension stone	9	2	97	264	92	157	256	447	207	633	21	69	295
	Included in manufactures	5	2	80	221	76	133	213	336	173	488	21	(NA)	(NA)
1421	Crushed and broken stone (mineral industry only)	29	12	780	3,330	659	1,511	2,721	5,362	4,372	8,818	916	[6]687	[6]5,897
	Crushed and broken limestone (mineral subindustry only)	24	12	757	3,261	640	1,482	2,665	4,923	4,268	8,275	916	621	4,505
1441	Sand and gravel (mineral industry only)	52	4	333	1,234	280	591	1,041	3,278	1,444	4,437	285	363	2,956
	Common sand and gravel (mineral subindustry only)	49	3	268	977	227	470	837	2,228	1,002	3,051	179	287	2,334
	Glass sand and molding sand	3	1	65	257	53	121	204	1,050	442	1,386	106	76	622
149	Miscellaneous minerals, nec, (mineral industries only)	7	1	58	189	44	105	153	636	279	864	51	(NA)	(NA)
	Gypsum (mineral industry and included in manufactures)	6	1	[3]66	[3]228	[3]58	117	204	1,566	[2]271	[3]1,797	[4]40	(NA)	(NA)

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

[6]Includes data for 2 mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	372,852	[3]135,045	[3]50,538	126,847	60,422	186,217	[r]96,686	[r]89,531	xxx	xxx	xxx	xxx
10 and 12	Metal mining and Bituminous coal mining	5,920	[3]4,690	([3])	780	450	744	77	667	xxx	xxx	xxx	xxx
1211	Bituminous coal	3,417	2,293	...	754	370	627	53	574	1,657	11,286	...	...
13	Oil and gas extraction	360,549	125,553	50,538	125,892	58,566	184,124	96,607	87,517	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	247,895	85,282	...	118,670	43,943	165,099	94,794	70,305	xxx	603,284	xxx	8,210
	Crude petroleum	235,319	80,160	...	112,621	42,538	155,482	90,795	64,687	[4]183,975	541,290	[4]3,860	11,243
	Natural gas	12,576	5,122	...	6,049	1,405	9,617	3,999	5,618	[5]130,329	15,295	[5]514,617	43,666
1321	Natural gas liquids	63,288	5,445	50,538	2,837	4,468	7,406	...	7,406	[6]28,162	[6]54,964	...	...
138	Oil and gas field services	49,366	34,826	...	4,385	10,155	11,619	1,813	9,806	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	39,270	27,156	...	3,515	8,599	9,639	1,795	7,844	xxx	[7]80,446	xxx	([7])
1389	Oil and gas field services, nec	8,337	6,356	...	493	1,488	1,851	18	1,833	xxx	(NA)	xxx	(NA)
14	Nonmetallic minerals mining	6,383	4,802	...	175	1,406	1,349	[r]2	[r]1,347	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	4,372	3,331	...	112	929	916	...	916	7,959	8,551	[8]1,082	1
	Crushed and broken limestone	4,268	3,266	...	73	929	916	...	916	6,925	8,034	[8]1,082	1

NA Not available. [r]Revised.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for minerals received for preparation in the Metal Mining Industries are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5]Represents millions of cubic feet of natural gas shipped.

[6]Represents net shipments of natural gas liquids only. Quantity is in thousands of barrels.

[7]Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[8]Includes minerals produced and used in the same establishment in making manufactured products and thus is not comparable to the figure shown in the succeeding column which represents only the value of net shipments.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	1,890	1,842	1,678	25	25	1,628	84	5	56	23	80	48
	Number of employees	[2]27,527	[2]27,429	23,226	237	106	22,883	[2]1,751	(D)	1,177	(D)	2,452	98
	Value added in mining, $1,000	[2]594,026	[2]594,264	527,025	1,364	1,115	524,546	[2]16,267	(D)	11,772	(D)	50,972	([3])
10 and 12	Metal mining and Bituminous coal mining:												
	Number of establishments	57	49	34	25	8	1	13	5	8	...	2	8
	Number of employees	[2]1,083	[2]1,059	271	237	34	...	(D)	(D)	306	...	(D)	24
	Value added in mining, $1,000	[2]10,423	[2]10,454	1,787	1,364	(D)	(D)	(D)	(D)	5,219	...	(D)	([3])
1211	Bituminous coal:												
	Number of establishments	31	30	18	11	7	...	11	3	8	...	1	1
	Number of employees	807	(D)	(D)	163	(D)	...	603	297	306	...	(D)	(D)
	Value added in mining, $1,000	8,537	(D)	(D)	913	(D)	...	7,201	1,982	5,219	...	(D)	(D)
13	Oil and gas extraction:												
	Number of establishments	1,737	1,701	1,625	...	...	1,625	...	...	...	...	76	36
	Number of employees	25,216	25,166	22,883	...	...	22,883	...	...	...	...	2,283	50
	Value added in mining, $1,000	573,886	574,463	524,537	...	...	524,537	...	...	...	...	49,926	([3])
14	Nonmetallic minerals mining:												
	Number of establishments	96	92	19	...	17	2	71	...	48	23	2	4
	Number of employees	1,228	1,204	72	...	(D)	(D)	(D)	...	871	(D)	(D)	24
	Value added in mining, $1,000	9,717	9,347	701	...	(D)	(D)	(D)	...	6,553	(D)	(D)	370
142	Crushed and broken stone:												
	Number of establishments	29	26	2	...	2	...	23	...	23	...	1	3
	Number of employees	780	(D)	(D)	...	(D)	...	702	...	702	...	(D)	(D)
	Value added in mining, $1,000	5,362	(D)	(D)	...	(D)	...	4,965	...	4,965	...	(D)	(D)
	Crushed and broken limestone:												
	Number of establishments	24	23	...	...	...	...	22	...	22	...	1	1
	Number of employees	757	(D)	...	...	...	...	(D)	...	(D)	...	(D)	(D)
	Value added in mining, $1,000	4,923	(D)	...	...	...	...	(D)	...	(D)	...	(D)	...
144	Sand and gravel:												
	Number of establishments	52	52	10	...	8	2	42	...	19	23	...	...
	Number of employees	333	333	35	...	(D)	(D)	298	...	(D)	(D)	...	...
	Value added in mining, $1,000	3,278	3,278	274	...	(D)	(D)	3,004	...	(D)	(D)	...	...

D Withheld to avoid disclosing data for individual companies. [r]Revised.

[1]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for coal mining services establishments.

[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	OKLAHOMA:													
	All mineral operations	2,668	347	38,458	196,064	24,876	48,044	105,403	676,924	[3]373,420	[4]864,106	[5]186,238	41,100	r586,635
	Mineral industries	2,643	342	38,237	195,321	24,659	47,635	104,668	673,995	372,852	860,630	186,217	40,859	r584,366
	Included in manufactures	25	5	[4]221	[4]743	[4]217	409	735	2,929	[3]568	[4]3,476	[5]21	[4]241	2,269
	COUNTIES													
	Alfalfa	43	1	148	629	(NA)	(NA)	(NA)	(NA)	(NA)	3,122	(NA)	[6]76	(NA)
131	Crude petroleum and natural gas	22	...	30	153	(NA)	(NA)	(NA)	(NA)	(NA)	1,737	(NA)	(NA)	(NA)
	Atoka	6	1	64	258	(NA)	(NA)	(NA)	(NA)	(NA)	425	(NA)	(NA)	(NA)
	Beaver	151	3	370	1,583	(NA)	(NA)	(NA)	(NA)	(NA)	14,293	(NA)	[6]64	(NA)
131	Crude petroleum and natural gas	36	...	55	280	(NA)	(NA)	(NA)	(NA)	(NA)	7,345	(NA)	(NA)	(NA)
13	Beckham	30	4	364	1,791	(NA)	(NA)	(NA)	(NA)	(NA)	15,959	(NA)	[6]222	(NA)
131	Crude petroleum and natural gas	13	1	93	474	(NA)	(NA)	(NA)	(NA)	(NA)	9,998	(NA)	(NA)	(NA)
	Blaine (mineral industries only)	9	1	81	319	(NA)	(NA)	(NA)	(NA)	(NA)	2,132	(NA)	(NA)	(NA)
	Bryan	16	...	24	104	(NA)	(NA)	(NA)	(NA)	(NA)	1,976	(NA)	[6]71	(NA)
	Caddo	81	7	450	2,099	(NA)	(NA)	(NA)	(NA)	(NA)	16,117	(NA)	[6]298	(NA)
131	Crude petroleum and natural gas	54	4	276	1,407	(NA)	(NA)	(NA)	(NA)	(NA)	13,947	(NA)	(NA)	(NA)
13	Canadian	13	1	111	459	(NA)	(NA)	(NA)	(NA)	(NA)	812	(NA)	[6]22	(NA)
13	Carter, total	280	33	2,206	10,587	(NA)	(NA)	(NA)	(NA)	(NA)	63,222	(NA)	[6]1,824	(NA)
131	Crude petroleum and natural gas	177	21	1,362	6,942	(NA)	(NA)	(NA)	(NA)	(NA)	49,083	(NA)	1,729	(NA)
132	Natural gas liquids	7	2	155	820	130	245	667	4,149	3,160	6,685	624	85	1,136
138	Oil and gas field services	96	10	689	2,825	(NA)	(NA)	(NA)	(NA)	(NA)	7,454	(NA)	(NA)	(NA)
	Cherokee	3	1	25	126	(NA)	(NA)	(NA)	(NA)	(NA)	302	(NA)	(NA)	(NA)
13	Cimarron	31	2	75	348	(NA)	(NA)	(NA)	(NA)	(NA)	1,815	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	20	1	40	204	(NA)	(NA)	(NA)	(NA)	(NA)	1,418	(NA)	(NA)	(NA)
13	Cleveland	111	5	584	2,620	(NA)	(NA)	(NA)	(NA)	(NA)	21,166	(NA)	[6]135	(NA)
131	Crude petroleum and natural gas	59	1	175	871	(NA)	(NA)	(NA)	(NA)	(NA)	13,663	(NA)	(NA)	(NA)
13	Coal	24	...	21	96	(NA)	(NA)	(NA)	(NA)	(NA)	1,795	(NA)	[7]34	(NA)
131	Crude petroleum and natural gas	14	...	10	51	(NA)	(NA)	(NA)	(NA)	(NA)	1,355	(NA)	20	(NA)
	Comanche	49	1	190	1,026	(NA)	(NA)	(NA)	(NA)	(NA)	3,656	(NA)	[6]125	(NA)
13	Cotton	50	...	83	411	(NA)	(NA)	(NA)	(NA)	(NA)	3,663	(NA)	[6]122	(NA)
131	Crude petroleum and natural gas	36	...	71	362	(NA)	(NA)	(NA)	(NA)	(NA)	3,513	(NA)	122	(NA)
	Craig	9	...	33	143	(NA)	(NA)	(NA)	(NA)	(NA)	473	(NA)	[6]21	(NA)
13	Creek (mineral industries only), total	329	15	1,490	7,276	(NA)	(NA)	(NA)	(NA)	(NA)	31,861	(NA)	[6]1,747	(NA)
131	Crude petroleum and natural gas	236	8	1,025	5,224	(NA)	(NA)	(NA)	(NA)	(NA)	24,437	(NA)	1,603	(NA)
132	Natural gas liquids	5	3	117	625	107	193	559	2,598	1,178	3,647	129	(NA)	(NA)
138	Oil and gas field services	88	4	348	1,427	(NA)	(NA)	(NA)	(NA)	(NA)	3,777	(NA)	(NA)	(NA)
13	Custer (mineral industries only)	4	...	21	98	(NA)	(NA)	(NA)	(NA)	(NA)	292	(NA)	(NA)	(NA)
	Dewey	8	...	23	86	(NA)	(NA)	(NA)	(NA)	(NA)	327	(NA)	(NA)	(NA)
13	Ellis	20	1	170	717	(NA)	(NA)	(NA)	(NA)	(NA)	2,470	(NA)	(NA)	(NA)
13	Garfield (mineral industries only)	78	3	285	1,439	(NA)	(NA)	(NA)	(NA)	(NA)	7,193	(NA)	[6]421	(NA)
131	Crude petroleum and natural gas	52	2	202	1,030	(NA)	(NA)	(NA)	(NA)	(NA)	4,375	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Garvin, total	239	27	2,071	9,861	(NA)	(NA)	(NA)	(NA)	(NA)	112,538	(NA)	[6]1,012	(NA)
131	Crude petroleum and natural gas	136	12	949	4,837	(NA)	(NA)	(NA)	(NA)	(NA)	69,202	(NA)	803	(NA)
132	Natural gas liquids and													
144	Sand and gravel	7	3	329	1,773	312	616	1,665	15,546	19,147	32,515	2,178	179	5,312
138	Oil and gas field services	96	12	793	3,251	(NA)	(NA)	(NA)	(NA)	(NA)	10,821	(NA)	(NA)	(NA)
	Grady	88	6	425	2,086	(NA)	(NA)	(NA)	(NA)	(NA)	20,024	(NA)	[6]364	(NA)
131	Crude petroleum and natural gas	59	5	277	1,412	(NA)	(NA)	(NA)	(NA)	(NA)	17,295	(NA)	(NA)	(NA)
13	Grant, total	77	2	181	820	(NA)	(NA)	(NA)	(NA)	(NA)	4,439	(NA)	[6]41	(NA)
131	Crude petroleum and natural gas	42	...	78	398	(NA)	(NA)	(NA)	(NA)	(NA)	2,932	(NA)	41	(NA)
138	Oil and gas field services	35	2	103	422	(NA)	(NA)	(NA)	(NA)	(NA)	1,507	(NA)	(NA)	(NA)
	Greer (mineral industries only)	12	...	21	91	(NA)	(NA)	(NA)	(NA)	(NA)	417	(NA)	(NA)	(NA)
13	Harper, total	103	2	339	1,416	(NA)	(NA)	(NA)	(NA)	(NA)	4,471	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	68	...	26	133	(NA)	(NA)	(NA)	(NA)	(NA)	1,146	(NA)	(NA)	(NA)
138	Oil and gas field services	35	2	313	1,283	(NA)	(NA)	(NA)	(NA)	(NA)	3,325	(NA)	(NA)	(NA)
	Haskell	13	2	106	506	(NA)	(NA)	(NA)	(NA)	(NA)	2,426	(NA)	(NA)	(NA)
12	Bituminous coal mining	9	2	78	385	71	125	354	1,396	861	2,198	59	[8]261	[8]2,305
13	Hughes	139	1	288	1,379	(NA)	(NA)	(NA)	(NA)	(NA)	7,695	(NA)	[6]380	(NA)
131	Crude petroleum and natural gas	100	1	201	1,024	(NA)	(NA)	(NA)	(NA)	(NA)	6,832	(NA)	(NA)	(NA)
13	Jackson	14	...	17	86	(NA)	(NA)	(NA)	(NA)	(NA)	474	(NA)	[9]33	(NA)
13	Jefferson	43	...	81	390	(NA)	(NA)	(NA)	(NA)	(NA)	3,754	(NA)	[6]56	(NA)
131	Crude petroleum and natural gas	35	...	58	296	(NA)	(NA)	(NA)	(NA)	(NA)	3,611	(NA)	56	(NA)
	Johnston	9	3	102	385	(NA)	(NA)	(NA)	(NA)	(NA)	1,883	(NA)	[6]99	759
14	Nonmetallic minerals mining	4	3	99	373	83	208	325	1,107	569	1,618	58	99	759
	Kay	136	5	557	2,541	(NA)	(NA)	(NA)	(NA)	(NA)	21,572	(NA)	[6]317	(NA)
131	Crude petroleum and natural gas	81	2	246	1,254	(NA)	(NA)	(NA)	(NA)	(NA)	6,935	(NA)	248	(NA)
	Kingfisher	19	1	116	498	(NA)	(NA)	(NA)	(NA)	(NA)	2,671	(NA)	[6]54	(NA)
138	Oil and gas field services	8	1	82	336	(NA)	(NA)	(NA)	(NA)	(NA)	1,452	(NA)	(NA)	(NA)
	Kiowa:													
	Including operations in manufactures	40	5	232	900	(NA)	(NA)	(NA)	(NA)	(NA)	3,011	(NA)	(NA)	(NA)
	Mineral industries only	37	3	156	684	(NA)	(NA)	(NA)	(NA)	(NA)	2,545	(NA)	[6]40	(NA)
13	Oil and gas extraction	33	2	109	504	(NA)	(NA)	(NA)	(NA)	(NA)	1,864	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	19	1	57	291	(NA)	(NA)	(NA)	(NA)	(NA)	1,204	(NA)	(NA)	(NA)
	Nonmetallic minerals mining (including operations in manufactures)	7	3	123	396	113	213	357	753	446	1,147	52	(NA)	(NA)
	Latimer	8	...	20	24	(NA)	(NA)	(NA)	(NA)	(NA)	86	(NA)	[6]26	(NA)
	Le Flore	12	3	245	1,221	(NA)	(NA)	(NA)	(NA)	(NA)	3,174	(NA)	(NA)	(NA)
12	Bituminous coal mining	9	2	224	1,114	202	360	964	1,971	762	2,644	89	117	1,369
13	Lincoln (mineral industries only), total	205	8	646	3,171	(NA)	(NA)	(NA)	(NA)	(NA)	18,544	(NA)	[6]713	(NA)
131	Crude petroleum and natural gas	129	6	403	2,054	(NA)	(NA)	(NA)	(NA)	(NA)	13,930	(NA)	640	(NA)
132	Natural gas liquids	4	1	68	399	61	122	348	1,602	696	2,260	38	73	596
138	Oil and gas field services	72	1	175	718	(NA)	(NA)	(NA)	(NA)	(NA)	2,354	(NA)	(NA)	(NA)
	Logan	135	3	453	2,064	(NA)	(NA)	(NA)	(NA)	(NA)	13,932	(NA)	[6]222	(NA)
131	Crude petroleum and natural gas	77	1	193	984	(NA)	(NA)	(NA)	(NA)	(NA)	8,072	(NA)	195	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
13	Love, total	45	1	120	506	(NA)	(NA)	(NA)	(NA)	(NA)	3,801	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	20	...	15	76	(NA)	(NA)	(NA)	(NA)	(NA)	1,808	(NA)	(NA)	(NA)
138	Oil and gas field services	25	1	105	430	(NA)	(NA)	(NA)	(NA)	(NA)	1,993	(NA)	(NA)	(NA)
	McClain	101	15	809	3,546	(NA)	(NA)	(NA)	(NA)	(NA)	21,718	(NA)	[6]114	(NA)
131	Crude petroleum and natural gas	56	4	234	1,193	(NA)	(NA)	(NA)	(NA)	(NA)	13,390	(NA)	(NA)	(NA)
	McIntosh	9	1	53	277	(NA)	(NA)	(NA)	(NA)	(NA)	667	(NA)	[6]42	(NA)
13	Major	28	1	86	440	(NA)	(NA)	(NA)	(NA)	(NA)	3,770	(NA)	[9]127	(NA)
131	Crude petroleum and natural gas	15	...	33	168	(NA)	(NA)	(NA)	(NA)	(NA)	1,634	(NA)	63	(NA)
	Marshall	48	2	206	1,022	(NA)	(NA)	(NA)	(NA)	(NA)	8,313	(NA)	[6]120	(NA)
131	Crude petroleum and natural gas	25	1	132	673	(NA)	(NA)	(NA)	(NA)	(NA)	6,446	(NA)	72	(NA)
	Murray	18	3	158	827	(NA)	(NA)	(NA)	(NA)	(NA)	3,886	(NA)	(NA)	(NA)
13	Oil and gas extraction	15	...	26	125	(NA)	(NA)	(NA)	(NA)	(NA)	2,269	(NA)	(NA)	(NA)
	Muskogee	37	2	108	446	(NA)	(NA)	(NA)	(NA)	(NA)	902	(NA)	[6]126	(NA)
13	Noble	124	2	385	1,767	(NA)	(NA)	(NA)	(NA)	(NA)	13,264	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	70	1	166	846	(NA)	(NA)	(NA)	(NA)	(NA)	8,980	(NA)	(NA)	(NA)
	Nowata	70	8	592	2,920	(NA)	(NA)	(NA)	(NA)	(NA)	11,634	(NA)	[6]678	(NA)
131	Crude petroleum and natural gas	52	7	512	2,610	(NA)	(NA)	(NA)	(NA)	(NA)	11,081	(NA)	(NA)	(NA)
13	Okfuskee	140	1	303	1,446	(NA)	(NA)	(NA)	(NA)	(NA)	9,272	(NA)	[6]467	(NA)
131	Crude petroleum and natural gas	102	1	207	1,055	(NA)	(NA)	(NA)	(NA)	(NA)	8,324	(NA)	(NA)	(NA)
	Oklahoma (mineral industries only)	186	38	4,388	23,670	(NA)	(NA)	(NA)	(NA)	(NA)	47,430	(NA)	[6]3,177	(NA)
13	Oil and gas extraction	179	38	4,290	23,116	(NA)	(NA)	(NA)	(NA)	(NA)	46,952	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	92	21	2,995	17,509	(NA)	(NA)	(NA)	(NA)	(NA)	26,095	(NA)	2,810	(NA)
	Okmulgee	160	4	488	2,451	(NA)	(NA)	(NA)	(NA)	(NA)	6,284	(NA)	[6]750	(NA)
131	Crude petroleum and natural gas	113	3	327	1,667	(NA)	(NA)	(NA)	(NA)	(NA)	4,841	(NA)	439	(NA)
	Osage, total	309	24	2,132	10,143	(NA)	(NA)	(NA)	(NA)	(NA)	69,621	(NA)	[6]1,373	(NA)
131	Crude petroleum and natural gas	216	15	1,429	7,284	(NA)	(NA)	(NA)	(NA)	(NA)	61,459	(NA)	1,206	(NA)
132, 142	Natural gas liquids and Crushed and broken stone	5	3	161	636	144	225	538	1,389	778	1,944	223	167	1,513
138	Oil and gas field services	88	6	542	2,223	(NA)	(NA)	(NA)	(NA)	(NA)	6,218	(NA)	(NA)	(NA)
	Ottawa	28	1	280	1,156	139	311	606	1,949	2,476	4,337	88	1,062	6,688
	Pawnee	122	...	217	1,039	(NA)	(NA)	(NA)	(NA)	(NA)	6,231	(NA)	[6]246	(NA)
131	Crude petroleum and natural gas	80	...	166	846	(NA)	(NA)	(NA)	(NA)	(NA)	5,459	(NA)	233	(NA)
	Payne	159	7	502	2,288	(NA)	(NA)	(NA)	(NA)	(NA)	15,703	(NA)	[6]443	(NA)
131	Crude petroleum and natural gas	95	3	252	1,274	(NA)	(NA)	(NA)	(NA)	(NA)	12,812	(NA)	407	(NA)
138	Oil and gas field services	61	4	228	935	(NA)	(NA)	(NA)	(NA)	(NA)	2,431	(NA)	(NA)	(NA)
	Pittsburg	9	1	299	1,521	(NA)	(NA)	(NA)	(NA)	(NA)	2,218	(NA)	[6]274	(NA)
	Pontotoc (mineral industries only)	157	5	614	3,045	(NA)	(NA)	(NA)	(NA)	(NA)	10,096	(NA)	[6]674	(NA)
131	Crude petroleum and natural gas	106	3	386	1,967	(NA)	(NA)	(NA)	(NA)	(NA)	7,902	(NA)	590	(NA)
138	Oil and gas field services	46	1	161	660	(NA)	(NA)	(NA)	(NA)	(NA)	1,294	(NA)	(NA)	(NA)
	Pottawatomie, total	189	6	565	2,711	(NA)	(NA)	(NA)	(NA)	(NA)	13,798	(NA)	[6]601	(NA)
131	Crude petroleum and natural gas	116	3	316	1,611	(NA)	(NA)	(NA)	(NA)	(NA)	9,497	(NA)	521	(NA)
132, 14	Natural gas liquids and Nonmetallic minerals mining	5	1	68	358	61	115	321	1,418	425	1,827	16	80	849
138	Oil and gas field services	68	2	181	742	(NA)	(NA)	(NA)	(NA)	(NA)	2,474	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954–Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Rogers	44	6	409	2,214	(NA)	(NA)	(NA)	(NA)	(NA)	8,735	(NA)	[6]306	(NA)
131	Crude petroleum and natural gas	29	3	263	1,341	(NA)	(NA)	(NA)	(NA)	(NA)	6,171	(NA)	(NA)	(NA)
13	Seminole (mineral industries only)	242	20	1,498	7,144	(NA)	(NA)	(NA)	(NA)	(NA)	31,039	(NA)	[9]1,534	(NA)
131	Crude petroleum and natural gas	157	12	818	4,169	(NA)	(NA)	(NA)	(NA)	(NA)	21,607	(NA)	1,336	(NA)
	Sequoyah	4	1	37	229	(NA)	(NA)	(NA)	(NA)	(NA)	1,542	(NA)	[6]122	(NA)
13	Stephens, total	276	21	2,759	14,286	(NA)	(NA)	(NA)	(NA)	(NA)	80,702	(NA)	[6]1,537	(NA)
131	Crude petroleum and natural gas	181	10	1,075	5,479	(NA)	(NA)	(NA)	(NA)	(NA)	65,413	(NA)	1,407	(NA)
132	Natural gas liquids	4	2	135	714	116	256	628	4,190	2,603	6,415	378	130	2,690
138	Oil and gas field services	91	9	1,549	8,093	(NA)	(NA)	(NA)	(NA)	(NA)	8,874	(NA)	(NA)	(NA)
13	Texas, total	65	4	316	1,608	(NA)	(NA)	(NA)	(NA)	(NA)	22,753	(NA)	[6]182	(NA)
131	Crude petroleum and natural gas	29	1	130	663	(NA)	(NA)	(NA)	(NA)	(NA)	13,714	(NA)	106	(NA)
132	Natural gas liquids	4	2	82	519	63	134	383	1,311	5,652	6,917	46	[10]76	[10]2,270
138	Oil and gas field services	32	1	104	426	(NA)	(NA)	(NA)	(NA)	(NA)	2,122	(NA)	(NA)	(NA)
	Tillman	28	1	58	290	(NA)	(NA)	(NA)	(NA)	(NA)	1,923	(NA)	[6]26	(NA)
131	Crude petroleum and natural gas	18	1	47	240	(NA)	(NA)	(NA)	(NA)	(NA)	1,772	(NA)	(NA)	(NA)
	Tulsa:													
	Including operations in manufactures	229	23	[4]6,724	[4]40,869	(NA)	(NA)	(NA)	(NA)	(NA)	[4]7,241	(NA)	(NA)	(NA)
	Mineral industries only.	225	23	6,713	40,834	(NA)	(NA)	(NA)	(NA)	(NA)	7,173	(NA)	[6]4,798	(NA)
13	Oil and gas extraction	211	20	6,490	40,014	(NA)	(NA)	(NA)	(NA)	(NA)	5,138	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	134	16	5,622	35,262	(NA)	(NA)	(NA)	(NA)	(NA)	4,320	(NA)	4,521	(NA)
	Nonmetallic minerals mining:													
	Including operations in manufactures	18	3	[4]234	[4]855	[4]196	461	721	1,501	[3]738	[4]2,103	[5]136	(NA)	(NA)
14	Mineral industries only.	14	3	223	820	185	439	686	1,465	706	2,035	136	(NA)	(NA)
142	Crushed and broken stone	3	2	138	481	121	304	426	785	366	1,151	...	203	1,091
	Wagoner	42	...	61	292	(NA)	(NA)	(NA)	(NA)	(NA)	692	(NA)	[6]75	(NA)
	Washington (mineral industries only)	122	6	557	2,686	(NA)	(NA)	(NA)	(NA)	(NA)	12,416	(NA)	[6]704	(NA)
131	Crude petroleum and natural gas	89	5	411	2,095	(NA)	(NA)	(NA)	(NA)	(NA)	10,666	(NA)	(NA)	(NA)
	Washita	22	...	73	313	(NA)	(NA)	(NA)	(NA)	(NA)	856	(NA)	(NA)	(NA)
	Woods	20	...	15	52	(NA)	(NA)	(NA)	(NA)	(NA)	895	(NA)	[6]15	(NA)
	Woodward	20	1	125	532	(NA)	(NA)	(NA)	(NA)	(NA)	1,292	(NA)	(NA)	(NA)
138	Oil and gas field services	15	1	106	435	(NA)	(NA)	(NA)	(NA)	(NA)	1,280	(NA)	(NA)	(NA)
13	Undistributed, total	387	23	2,885	14,408	(NA)	(NA)	(NA)	(NA)	(NA)	48,593	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	166	6	1,190	6,590	(NA)	(NA)	(NA)	(NA)	(NA)	25,799	(NA)	(NA)	(NA)
138	Oil and gas field services	221	17	1,695	7,818	(NA)	(NA)	(NA)	(NA)	(NA)	22,794	(NA)	(NA)	(NA)

NA Not available. [r]Revised.

[1]Excludes data for sand and gravel operations in manufacturing establishments, if any.

[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[4]See table 2A, footnote 3.

[5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[6]Excludes data for Oil and Gas Field Services Industries.

[7]Includes data for the Bituminous Coal Industry. See also footnote 6.

[8]Represents the Bituminous Coal Industry only.

[9]Includes data for Nonmetallic Minerals Mining Industries. See also footnote 6.

[10]Includes data for the Sand and Gravel Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Oklahoma, total.....	2,668	2,643	25	...	...	24	1	...	...	...	1	31	4	1,661	76	749	4	5	29	2	52	2	3	15	1	...	7	1
No employees.....	267	265	2	...	...	4	1	...	...	...	...	7	2	208	1	33	...	...	...	...	8	...	...	2	...	...	1	...
1-4 employees.....	1,309	1,294	15	...	...	8	...	...	...	...	1	8	...	974	9	267	2	2	6	...	17	1	...	12	...	...	2	...
5-9 employees.....	390	388	2	...	...	10	...	...	...	...	...	2	1	188	12	148	2	...	6	...	16	1	1	1	1	...	1	...
10-19 employees...	355	354	1	...	...	1	...	...	...	...	...	4	1	152	24	156	...	1	5	...	7	...	2	...	...	...	2	...
20-49 employees...	248	243	5	...	...	...	...	...	...	...	...	6	...	83	23	119	...	2	7	2	4	...	...	...	...	...	1	1
50-99 employees...	60	60	...	...	...	1	...	...	...	...	...	2	...	30	6	17	...	...	4	...	...	...	...	...	...	...	...	...
100-249 employees.	26	26	...	...	...	...	...	...	...	...	...	1	...	14	1	9	...	...	1	...	...	...	...	...	...	...	...	...
250-499 employees.	8	8	...	...	...	...	...	...	...	...	...	1	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Alfalfa:																												
0-19 employees....	42	42	...	...	...	...	...	...	...	...	...	...	...	22	...	19	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Atoka:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Beaver:																												
0-19 employees....	148	148	...	...	...	...	...	...	...	...	...	...	...	36	1	110	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Beckham:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	12	...	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Blaine:																												
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	1	...	...	...	...	3	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Bryan:																												
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	...	...	8	...	7	...	...	...	...	1	...	...	...	...	...	...	...
Caddo:																												
0-19 employees....	74	74	...	...	...	...	...	...	...	...	...	...	...	50	...	21	1	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	1	...	...	...	...	...	...	...	...	...
Canadian:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	5	...	7	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Carter:																												
0-19 employees....	247	247	...	...	...	...	...	...	...	...	...	...	...	156	5	86	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	31	31	...	...	...	...	...	...	...	...	...	...	...	19	2	10	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Choctaw:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cimarron:																												
0-19 employees....	29	29	...	...	...	...	...	...	...	...	...	...	...	19	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
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COUNTIES—Con.																												
Cleveland:																												
0-19 employees....	106	106	...	...	...	...	...	...	...	...	...	...	...	58	2	46	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Coal:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	14	...	10	...	...	...	...	...	...	...	...	...	...	...	...
Comanche:																												
0-19 employees....	48	48	...	...	...	...	...	...	...	...	...	...	...	28	...	20	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cotton:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	...	...	36	...	14	...	...	...	...	...	...	...	...	...	...	...	...
Craig:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	3	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Creek:																												
0-19 employees....	316	314	2	...	...	...	...	...	...	...	...	...	...	228	2	84	...	...	...	...	...	...	...	2	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	7	3	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Custer:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	1	...	...	...	...
Delaware:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Dewey:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	1	...	1	...	...	...	...	...
Ellis:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	1	...	18	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Garfield:																												
0-19 employees....	76	75	1	...	...	...	...	...	...	...	...	...	...	50	1	24	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Garvin:																												
0-19 employees....	212	212	...	...	...	...	...	...	...	...	...	...	...	124	3	84	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	24	24	...	...	...	...	...	...	...	...	...	...	...	11	2	11	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Grady:																												
0-19 employees....	82	82	...	...	...	...	...	...	...	...	...	...	...	54	1	26	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	75	75	...	...	...	...	...	...	...	...	...	...	...	42	...	33	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Greer:																												
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	...	...	3	...	5	1	...	...	...	3	...	...	1	...	...	...	...
Harper:																												
0-19 employees....	101	101	...	...	...	...	...	...	...	...	...	...	...	68	...	33	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Haskell:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	3	4	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hughes:																												
0-19 employees....	138	138	...	...	...	...	...	...	...	...	...	...	...	99	1	38	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	13	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																												
0-19 employees....	43	43	...	...	...	...	...	...	...	...	...	...	...	35	...	8	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Con.																												
Johnston:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Kay:																												
0-19 employees....	131	131	...	...	...	...	...	...	...	...	...	...	...	79	2	47	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	1	...	...	...	...	...	...	...	...	...
Kingfisher:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	9	1	7	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Kiowa:																												
0-19 employees....	35	34	1	...	...	...	...	...	...	...	...	...	...	18	...	13	1	1	...	...	2	...	...	...	...	...	...	...
20-99 employees...	5	3	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	1	...	...	...	...	...	...	...	...	...
Latimer:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	5	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Le Flore:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	7	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	198	197	1	...	...	...	...	...	...	...	...	...	...	123	3	71	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	6	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Logan:																												
0-19 employees....	132	132	...	...	...	...	...	...	...	...	...	...	...	76	1	53	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Love:																												
0-19 employees....	44	44	...	...	...	...	...	...	...	...	...	...	...	20	...	24	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
McClain:																												
0-19 employees....	86	86	...	...	...	...	...	...	...	...	...	...	...	52	1	32	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	4	...	10	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
McCurtain:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
McIntosh:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	1	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Major:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	15	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																												
0-19 employees....	46	46	...	...	...	...	...	...	...	...	...	...	...	24	1	20	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Mayes:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	1	...	...	...	...	...	...	...
Murray:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	4	...	11	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	...
Muskogee:																												
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	26	...	6	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Noble:																												
0-19 employees....	122	122	...	...	...	...	...	...	...	...	...	...	...	69	1	52	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Nowata:																												
0-19 employees....	62	62	...	...	...	...	...	...	...	...	...	...	...	45	...	16	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...

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COUNTIES—Con.																												
Okfuskee:																												
0-19 employees....	139	139	...	...	...	...	...	...	...	...	...	...	...	101	2	36	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oklahoma:																												
0-19 employees....	151	148	3	...	...	...	...	...	...	...	1	...	...	71	2	68	...	...	...	...	5	1	1	2	...	...	...	...
20-99 employees...	31	31	...	...	...	...	...	...	...	...	...	...	...	16	5	10	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	7	7	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Okmulgee:																												
0-19 employees....	156	156	...	...	...	1	...	...	...	...	...	...	...	110	...	45	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Osage:																												
0-19 employees....	285	285	...	...	...	...	...	...	...	...	...	...	...	201	2	82	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	21	21	...	...	...	...	...	...	...	...	...	...	...	13	2	5	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Ottawa:																												
0-19 employees....	27	27	...	...	...	22	...	...	...	...	...	...	...	1	...	...	...	...	4	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pawnee:																												
0-19 employees....	122	122	...	...	...	...	...	...	...	...	...	...	...	80	1	40	...	...	...	...	1	...	...	...	...	...	...	...
Payne:																												
0-19 employees....	152	152	...	...	...	...	...	...	...	...	...	...	...	92	2	57	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Pittsburg:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	1	...	5	...	1	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pontotoc:																												
0-19 employees....	155	152	3	...	...	...	1	...	...	...	...	...	...	103	1	45	...	1	...	...	2	...	...	2	...	...	...	...
20-99 employees...	6	5	1	...	...	...	...	...	...	...	...	...	...	3	1	1	...	...	...	1	...	...	...	...	...	...	...	...
Pottawatomie:																												
0-19 employees....	183	183	...	...	...	...	...	...	...	...	...	...	...	113	1	66	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Pushmataha:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...
Rogers:																												
0-19 employees....	38	38	...	...	...	...	...	...	...	...	...	...	...	26	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	2	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Seminole:																												
0-19 employees....	223	222	1	...	...	...	...	...	...	...	...	...	...	145	2	75	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	19	19	...	...	...	...	...	...	...	...	...	...	...	11	2	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sequoyah:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stephens:																												
0-19 employees....	255	255	...	...	...	...	...	...	...	...	...	...	...	171	2	82	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	18	18	...	...	...	...	...	...	...	...	...	...	...	8	2	8	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Texas:																												
0-19 employees....	61	61	...	...	...	...	...	...	...	...	...	...	...	28	2	31	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Tillman:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	17	1	8	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tulsa:																												
0-19 employees....	206	202	4	...	...	...	...	...	...	...	...	...	...	118	1	72	...	...	1	...	9	...	1	4	...	...	...	...
20-99 employees...	18	18	...	...	...	...	...	...	...	...	...	...	...	11	...	4	...	...	2	...	1	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																									
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Con.																													
Wagoner:																													
0-19 employees....	42	42	...	...	...	...	...	...	...	...	...	1	...	31	...	9	...	...	...	...	1	...	...	...	...	...	...	...	...
Washington:																													
0-19 employees....	116	116	...	...	...	...	...	...	...	...	...	...	...	84	...	30	...	...	2	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	6	1	...	...	...	...	...	...	...	...	...	...	5	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
Washita:																													
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	13	...	7	...	...	...	...	...	...	...	...	...	...	2	...	...
Woods:																													
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	...	...	7	...	12	...	...	...	...	1	...	...	...	...	...	...	...	...
Woodward:																													
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	4	...	14	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																													
0-19 employees....	364	364	...	...	...	...	...	...	...	...	...	...	...	160	...	204	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	21	21	...	...	...	...	...	...	...	...	...	...	...	5	...	16	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

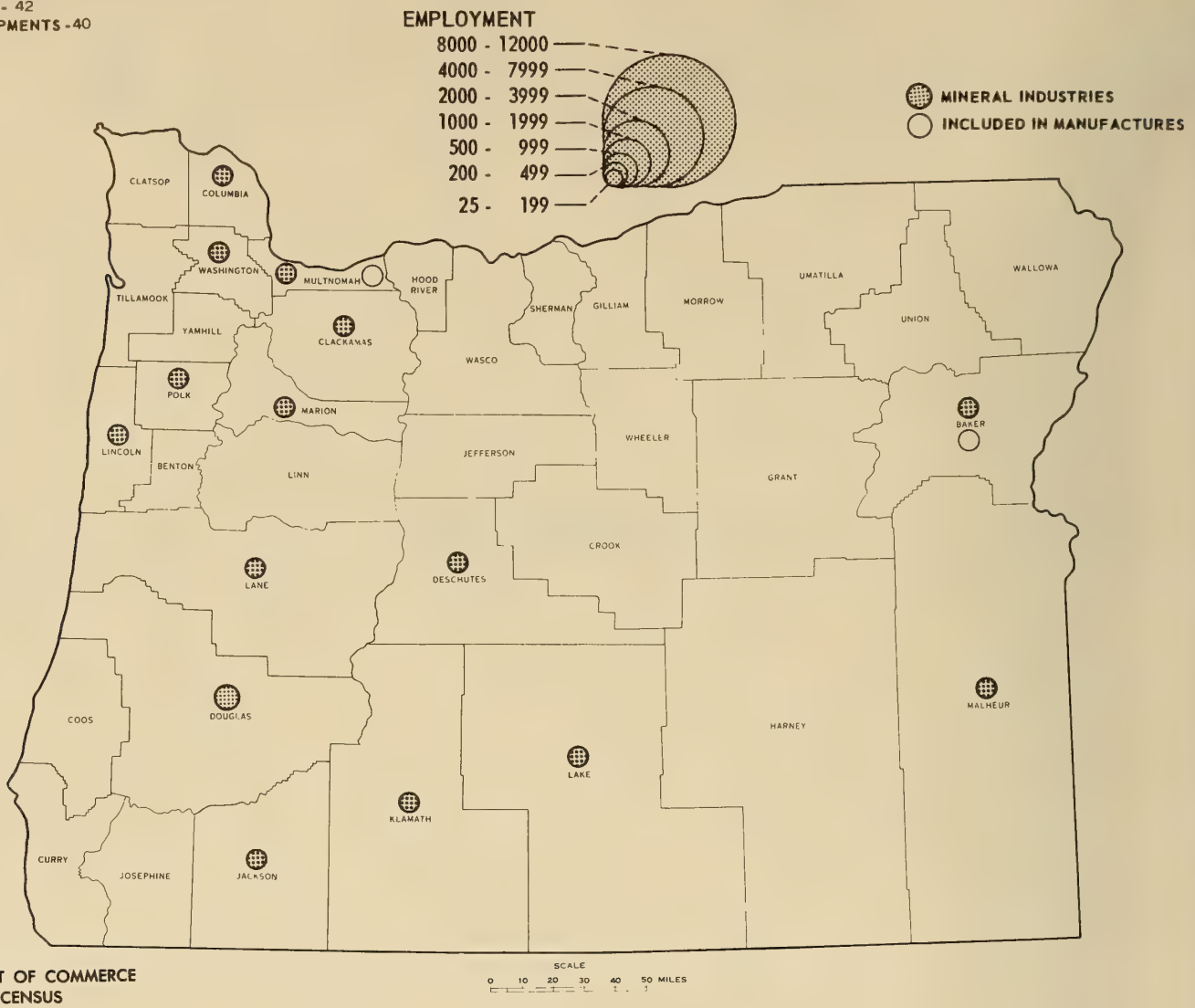
OREGON

34-1

EMPLOYMENT IN MINING BY COUNTY: 1958

OREGON

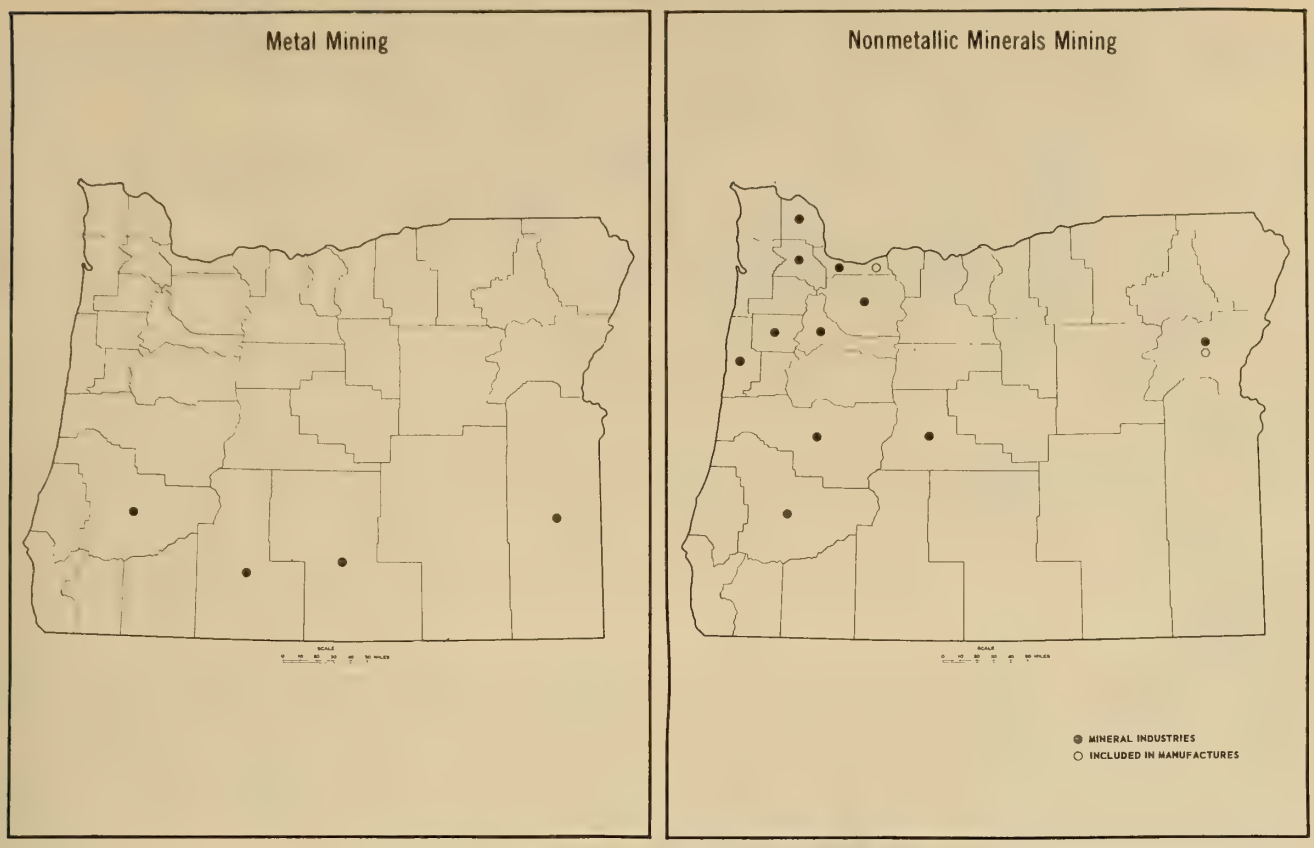
RANK AMONG STATES
EMPLOYMENT - 42
VALUE OF SHIPMENTS - 40



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BUREAU OF THE CENSUS

MINING IN OREGON

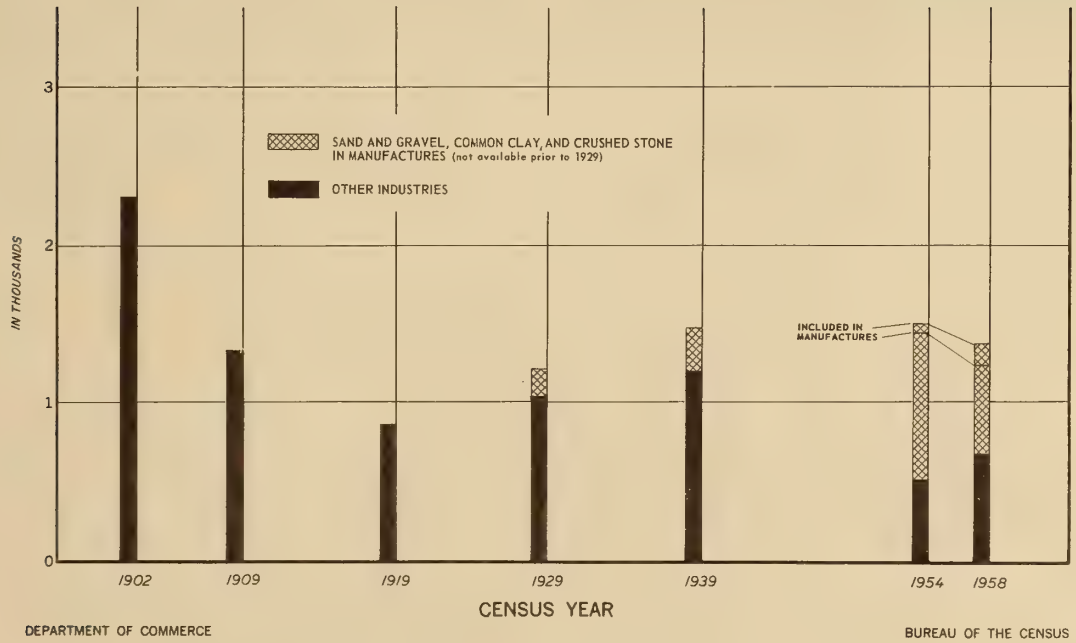
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

OREGON



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	201	13	1,220	6,261	991	1,982	4,962	15,879	r5,803	r166	3,033	1,632	19,911	6,602	r345	r348
1954	278	13	1,436	6,313	1,280	2,588	5,485	12,646	4,588	66	1,895	2,759	18,263	3,691	349	273
Including operations in manufactures: All operations:																
1958	230	15	1,367	6,921	1,138	2,270	5,622	18,633	r[2]6,173	r166	[2]3,083	[3]1,632	23,085	[3]6,602	r[3]345	r303
1954[4]	296	13	1,487	6,546	1,331	2,690	5,718	13,168	[2]4,681	66	[2]1,899	[3]2,761	18,872	[3]3,703	[3]349	262
1939[5]	[6]128	(NA)	1,476	1,955	1,309	2,672	1,627	3,807	1,298	(NA)	15	(NA)	5,120	(NA)	143	109
1929[7]	112	(NA)	1,210	1,808	1,087	(NA)	1,544	2,529	872	(NA)	111	212	3,512	(NA)	100	92
Excluding sand, gravel, common clay, and shale operations and stone quarries operated as parts of cement and lime plants:																
1958	131	8	677	3,425	545	1,099	2,680	10,616	3,045	93	2,741	701	11,785	5,411	144	264
1954	156	3	505	1,986	447	848	1,712	3,476	1,617	66	1,561	1,261	5,586	2,395	137	306
1939[8]	[6]93	(NA)	1,194	1,593	1,071	2,198	1,338	3,156	1,074	(NA)	13	(NA)	4,243	(NA)	109	102
1929[9]	94	(NA)	1,030	1,487	946	(NA)	1,329	1,582	717	(NA)	111	159	2,410	(NA)	70	74
1919	56	(NA)	851	1,191	776	(NA)	1,039	1,106	729	...	50	(NA)	1,885	(NA)	[10]76	98
1909	236	(NA)	1,318	1,181	1,158	(NA)	995	731	440	...	21	(NA)	1,192	(NA)	(NA)	(NA)
1902[11]	[6]486	(NA)	2,297	2,190	[12]2,005	(NA)	1,839	1,343	649	(NA)	95	(NA)	2,087	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of "Minerals received for preparation."

[2] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4] Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[5] Excludes data for dimension stone dressing operations, if any, in conjunction with two stone, nec quarries.

[6] Represents number of mines and quarries.

[7] Excludes data for common clay and shale operations. There were 9 such mines in 1939 with products valued at $68 thousand.

[8] Includes data for one or more stone quarries operated as parts of cement plants. See also footnote 5.

[9] Includes data for 3 stone quarries operated as parts of cement plants.

[10] Excludes purchased electricity. For 1929, for such operations, the quantity of purchased electricity amounted to 7 percent of the total kwh equivalent of energy used.

[11] Includes data for lime plants producing lime valued at $20 thousand.

[12] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	230	15	1,367	6,921	1,138	2,270	5,622	18,633	[2]11,054	[3]23,085	[4]6,602	1,487	13,168
	Mineral industries	201	13	1,220	6,261	991	1,982	4,962	15,879	10,634	19,911	6,602	1,436	12,646
	Included in manufactures	29	2	[3]147	[3]660	[3]147	288	660	2,754	[2]420	[3]3,174	(NA)	[3]51	522
10	Metal mining	65	3	265	1,479	r[5]228	r[5]493	r[5]1,178	[1,5]7,067	4,023	[1,5]6,507	4,831	(NA)	(NA)
109	Miscellaneous metal ores	12	2	139	813	r123	265	671	1,946	3,250	(D)	(D)	(NA)	(NA)
13	Oil and gas extraction	10	...	24	140	([5])	([5])	([5])	([5])	463	([5])	215	(NA)	(NA)
	Nonmetallic minerals mining	155	12	1,078	5,302	910	1,777	4,444	11,566	[2]6,568	[3]16,578	[4]1,556	1,315	12,432
14	Mineral industries	126	10	931	4,642	763	1,489	3,784	8,812	6,148	13,404	1,556	1,264	11,910
	Included in manufactures	29	2	[3]147	[3]660	[3]147	288	660	2,754	[2]420	[3]3,174	(NA)	[3]51	522
1421	Crushed and broken stone (mineral industry only)	42	4	301	1,411	253	481	1,227	2,899	1,526	4,111	314	[6]260	[6]2,412
	Crushed and broken stone, nec (mineral subindustry)	32	1	204	899	166	321	770	1,904	954	2,594	264	(NA)	(NA)
	Sand and gravel	86	6	591	3,015	496	979	2,476	7,058	[2]3,982	[3]9,956	(NA)	(NA)	(NA)
1441	Mineral industry	70	5	532	2,760	437	862	2,221	5,059	3,889	7,864	1,084	913	8,932
	Included in manufactures	16	1	[3]59	[3]255	[3]59	117	255	1,999	[2]93	[3]2,092	(NA)	(NA)	(NA)
149	Miscellaneous minerals, nec (mineral industries)	7	1	76	364	53	110	244	568	501	1,021	48	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. r Revised.
NA Not available.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments, "if any."

[2] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5] Figures for Oil and gas extraction are included with those for Metal mining.

[6] Includes data for 4 quarries operated as parts of manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	10,634	r5,803	r166	3,033	1,632	6,602	910	5,692	xxx	xxx	xxx	xxx
10	Metal mining.....	4,023	1,302	89	2,230	402	4,831	682	4,149	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	6,148	r4,357	r77	486	1,228	1,556	20	1,536	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	1,526	[3]1,099	([3])	147	280	314	...	314	2,857	[4]4,489	[5]854	([4])
1441	Sand and gravel.....	3,889	[3]2,747	([3])	292	850	1,084	1	1,083	4,903	[4]8,780	1,649	([4])

rRevised.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Cost of minerals received for preparation is included with cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Figures for the value of primary products shipped in other industries are included with those for value of primary products shipped in the specified industry. For sand and gravel, includes the estimated value of minerals produced and used in the same manufacturing establishment in making manufactured products.
[5]Includes stone produced and used in the same manufacturing establishment in making manufactured products.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	200	163	38	5	23	10	121	8	91	22	4	37
	Number of employees	1,217	1,138	130	5	100	25	998	113	577	308	10	79
	Value added in mining, $1,000	15,861	16,222	6,063	167	5,479	417	10,036	1,937	5,628	2,471	123	([3])
10	Metal mining:												
	Number of establishments	65	37	16	5	11	...	18	7	11	...	3	28
	Number of employees	[4]265	207	67	5	62	...	(D)	(D)	(D)	...	(D)	[4]58
	Value added in mining, $1,000	[4 5]7,067	7,410	5,281	167	5,114	...	(D)	(D)	(D)	...	(D)	([3])
13	Oil and gas extraction:												
	Number of establishments	9	...	...	...	...	...	...	...	...	...	...	9
	Number of employees	[4]24	...	...	...	...	...	...	...	...	...	...	[4]24
	Value added in mining, $1,000	([5])	...	...	...	...	...	...	...	...	...	...	([3])
14	Nonmetallic minerals mining:												
	Number of establishments	126	126	22	...	12	10	103	1	80	22	1	...
	Number of employees	931	931	63	...	38	25	(D)	(D)	(D)	308	(D)	...
	Value added in mining, $1,000	8,812	8,812	782	...	365	417	(D)	(D)	(D)	2,471	(D)	...
142	Crushed and broken stone:												
	Number of establishments	42	42	1	...	1	...	41	...	41	...	...	...
	Number of employees	301	301	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	2,899	2,899	(D)	...	(D)	...	(D)	...	(D)	...	...	...
144	Sand and gravel:												
	Number of establishments	70	70	15	...	5	10	54	...	32	22	1	...
	Number of employees	532	532	(D)	...	(D)	25	496	...	188	308	(D)	...
	Value added in mining, $1,000	5,059	5,059	(D)	...	(D)	417	4,482	...	2,011	2,471	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 8 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[4]Includes data for mining services operations.
[5]Figures for Oil and gas extraction are included with those for Metal mining.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[2]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	OREGON:													
	All mineral operations	230	15	1,367	6,921	1,138	2,270	5,622	18,633	[3]11,054	[4]23,085	[5]6,602	1,487	13,168
	Mineral industries	201	13	1,220	6,261	991	1,982	4,962	15,879	10,634	19,911	6,602	1,436	12,646
	Included in manufactures	29	2	[4]147	[4]660	[4]147	288	660	2,754	[3]420	[4]3,174	(NA)	[4]51	522
	COUNTIES													
	Baker (including operations in manufactures)	11	2	[4]103	[4]488	[4]100	191	451	758	[3]354	[4]1,070	[5]42	[6]65	[6]323
	Benton (including operations in manufactures)	4	...	[4]7	[4]22	[4]7	11	22	33	[3]22	[4]52	[5]3	[6]16	[6]110
14	Clackamas (mineral industries only)	13	1	86	438	79	148	396	944	424	1,213	155	70	621
	Sand and gravel (including operations in manufactures)	12	1	[4]82	[4]425	[4]75	142	383	940	[3]420	[4]1,205	[5]155	[6]57	[6]570
	Coos	5	...	20	76	18	24	68	124	151	272	3	16	105
	Crook (mineral industries only)	8	...	16	69	(NA)	(NA)	(NA)	(NA)	(NA)	238	(NA)	(NA)	(NA)
	Douglas	15	5	206	1,293	179	408	1,057	6,644	2,041	8,065	620	197	2,161
	Grant (mineral industries only)	9	...	24	65	22	34	60	164	86	212	38	24	185
	Jackson (including operations in manufactures)	12	...	[4]46	[4]217	[4]42	84	191	725	[3]90	[4]772	[5]43	[6]39	[6]323
	Josephine	26	...	24	105	20	32	93	346	104	411	39	53	258
14	Klamath (mineral industries only)	6	...	25	105	22	40	94	254	98	310	42	(NA)	(NA)
	Lane (mineral industries only)	24	1	126	456	(NA)	(NA)	(NA)	(NA)	(NA)	1,607	(NA)	154	1,360
144	Sand and gravel (mineral industries only)	8	1	85	288	76	135	270	859	368	1,116	111	128	1,122
14	Lincoln (mineral industries only)	6	...	44	175	42	66	170	292	273	506	59	37	312
	Linn (mineral industries only)	9	...	15	71	(NA)	(NA)	(NA)	(NA)	(NA)	412	(NA)	70	671
	Malheur	5	...	40	208	35	78	173	413	214	512	115	(NA)	(NA)
14	Marion (mineral industries only)	4	...	36	148	30	51	123	145	461	495	111	46	593
	Multnomah:													
	Including operations in manufactures	15	2	[4]181	[4]1,069	(NA)	(NA)	(NA)	(NA)	(NA)	[4]3,042	(NA)	(NA)	(NA)
	Mineral industries only	9	1	152	943	(NA)	(NA)	(NA)	(NA)	(NA)	2,025	(NA)	174	2,047
144	Sand and gravel (mineral industries only)	5	1	146	911	88	186	553	908	1,146	1,998	56	(NA)	(NA)
	Washington	7	...	62	340	56	137	301	513	593	917	189	56	532
	Yamhill (including operations in manufactures)	5	...	[4]13	[4]53	[4]11	23	47	124	[3]23	[4]141	[5]6	[6]21	[6]131

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments, "if any".

[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. For 1958, such reports contained employment on March 15 and selected other data by State and county. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[4]See table 2A, footnote 3.

[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Oregon, total.....	230	201	29	...	4	...	24	...	25	...	12	...	...	9	...	1	3	3	42	2	70	16	3	8	1	...	7	...
No employees.....	47	45	2	...	...	...	14	...	15	...	1	...	...	6	...	...	1	...	3	...	4	1	1	1	...	...	...	...
1-4 employees.....	112	92	20	...	3	...	8	...	8	...	6	...	...	2	...	1	2	3	17	...	40	11	1	6	1	...	3	...
5-9 employees.....	37	32	5	...	1	...	2	...	1	...	2	...	...	...	...	...	...	...	10	1	13	3	...	1	...	...	3	...
10-19 employees...	19	19	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	8	...	8	...	1	...	...	...	...	...
20-49 employees...	10	9	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	4	...	3	1	...	...	...	...	1	...
50-99 employees...	5	4	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...
COUNTIES																												
Baker:																												
0-19 employees....	9	7	2	...	1	...	4	...	1	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...
Clackamas:																												
0-19 employees....	14	12	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	10	1	...	1	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clatsop:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Coos:																												
0-19 employees....	5	5	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
Crook:																												
0-19 employees....	9	8	1	...	...	...	...	...	...	...	1	...	...	3	...	2	...	...	1	...	1	1	...	...	...	...	...	...
Curry:																												
0-19 employees....	3	3	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Deschutes:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Douglas:																												
0-19 employees....	10	10	...	...	...	...	2	...	1	...	2	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Gilliam:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	10	9	1	...	2	...	2	...	4	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
Harney:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Jackson:																												
0-19 employees....	12	9	3	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	1	1	2	1	...	1	...	...	...	...
Jefferson:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Josephine:																												
0-19 employees....	26	26	...	...	...	...	8	...	14	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Klamath:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	1	...	...	1	...
Lake:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lane:																												
0-19 employees....	24	23	1	...	...	...	1	...	...	...	1	...	...	1	...	...	...	...	12	...	7	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	1	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Linn:																												
0-19 employees....	11	9	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	5	2	...	...	...	...	...	...
Malheur:																												
0-19 employees....	5	5	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...
Marion:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	..
Multnomah:																												
0-19 employees....	13	8	5	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...	1	...	4	3	...	2	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Polk:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Tillamook:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Umatilla:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Union:																												
0-19 employees....	3	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
Wallowa:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...
Wasco:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Washington:																												
0-19 employees....	7	7	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	2	...	...	...	...	...
Yamhill:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	1	...	...	...	...
Undistributed:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

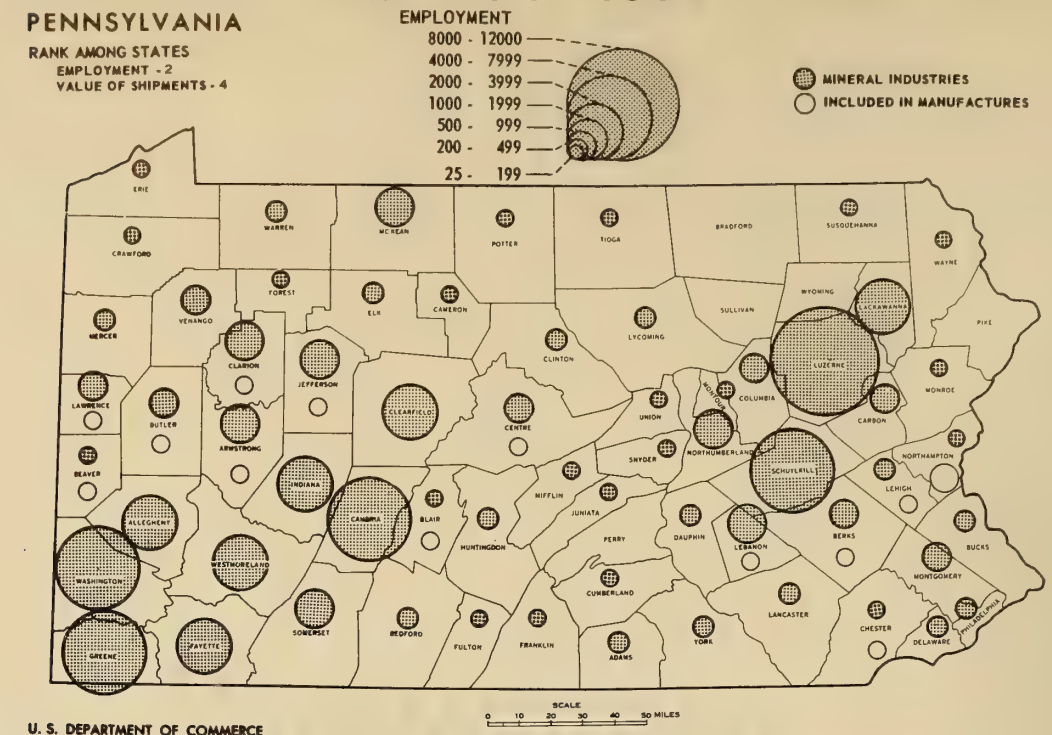
PENNSYLVANIA

35-1

EMPLOYMENT IN MINING BY COUNTY: 1958

PENNSYLVANIA

RANK AMONG STATES
EMPLOYMENT - 2
VALUE OF SHIPMENTS - 4

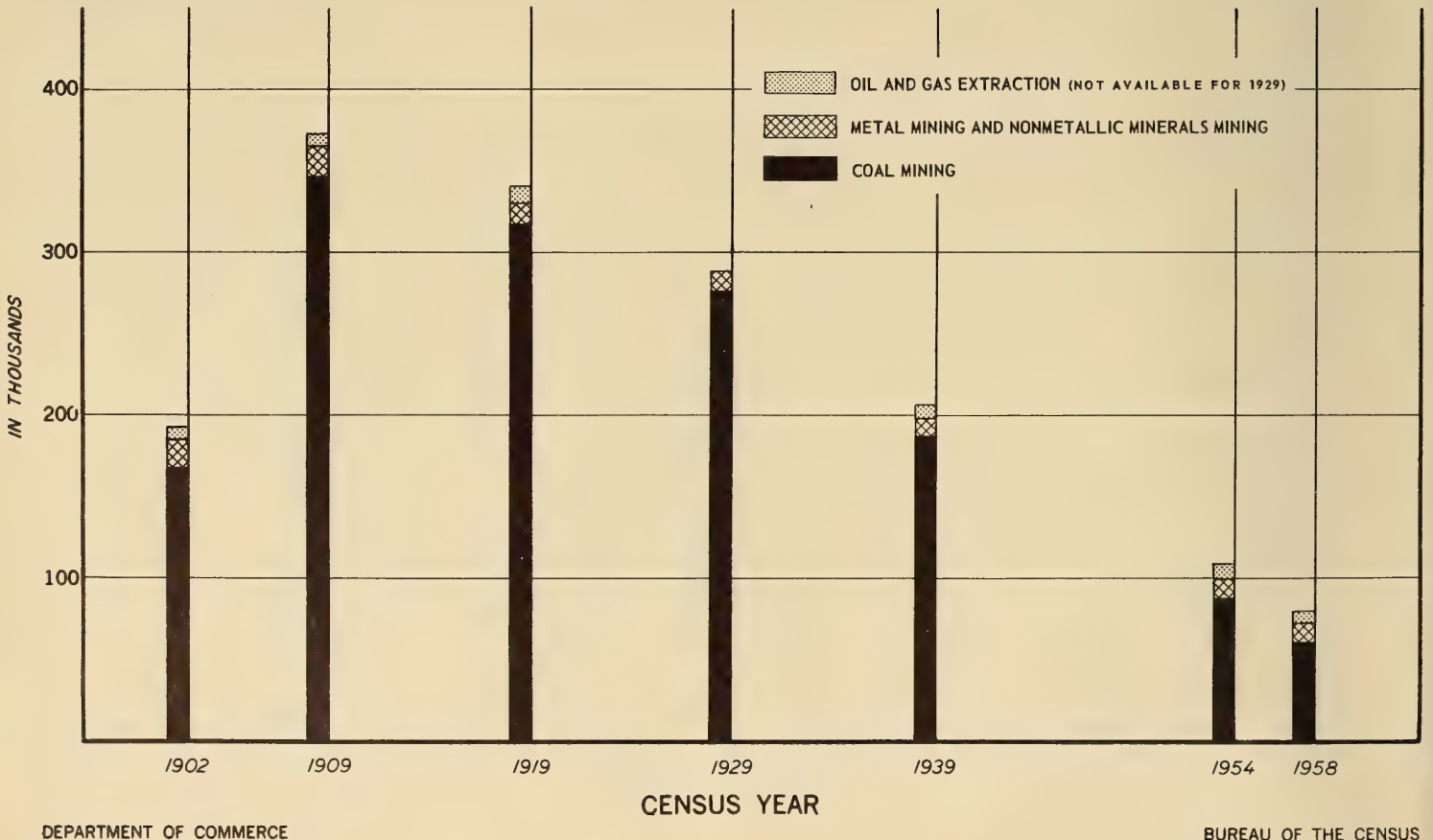


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EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

PENNSYLVANIA



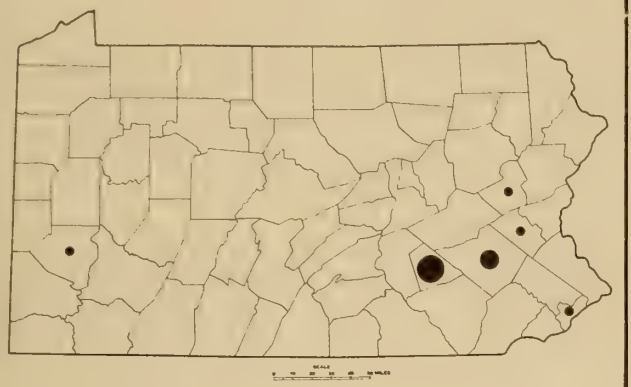
DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

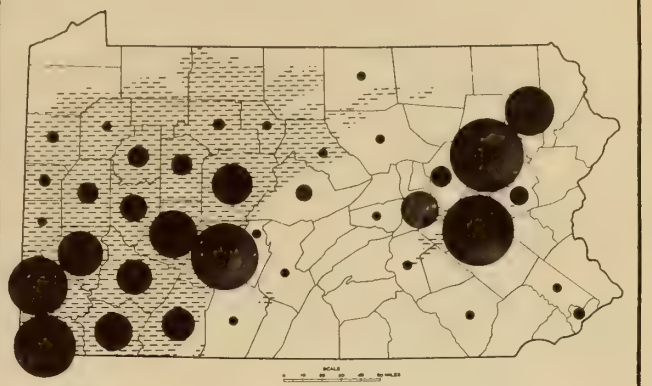
MINING IN PENNSYLVANIA

Employment For Industry Group By County: 1958

Metal Mining

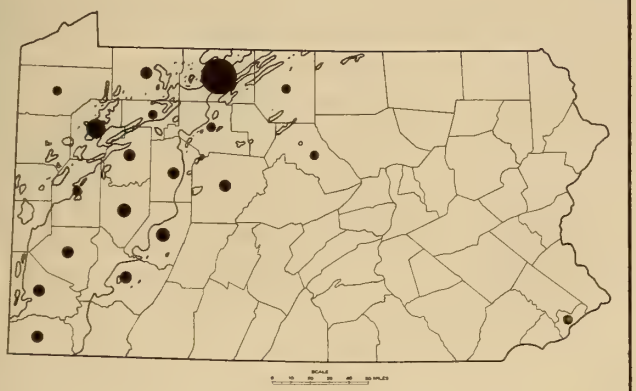


Coal Mining



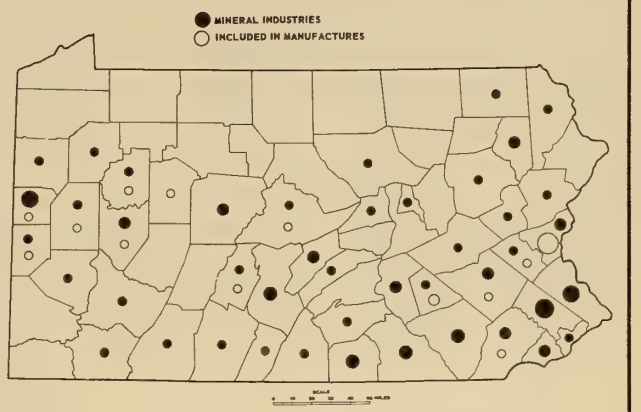
General Extent of Coal Fields

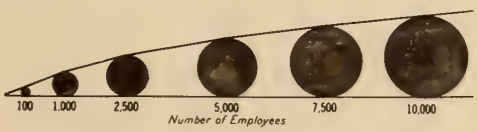
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	3,822	525	r73,993	r342,246	63,578	105,155	277,039	579,743	166,949	159,132	77,002	56,947	963,761	76,012	r11,505	r181
1954	4,538	673	105,152	402,533	93,897	152,445	342,053	631,703	151,872	176,598	96,044	52,958	1,050,065	59,110	15,345	146
Including operations in manufactures:																
All operations:																
1958	3,978	557	r76,068	r350,938	65,602	109,165	285,378	608,935	[3]172,328	159,177	[3]77,006	[4]57,038	998,352	[4]76,132	[4]11,531	r176
1954[5]	4,681	721	107,767	411,954	96,449	157,581	351,200	r657,038	[3]158,443	176,609	[3]96,056	[4]53,006	r1,081,975	[4]59,177	[4]15,393	143
1939[6]	[7]3,298	(NA)	206,766	276,146	193,458	296,599	245,270	384,397	73,478	(NA)	16,013	(NA)	473,888	(NA)	27,720	134
1919[8]	5,820	(NA)	341,650	480,344	323,507	(NA)	445,353	659,235	146,694	[9]5,510	8,012	(NA)	819,451	(NA)	101,939	298
1909[8]	5,287	(NA)	373,136	210,761	361,398	(NA)	197,681	288,254	51,696	3,099	6,011	(NA)	349,060	(NA)	(NA)	(NA)
1902[10]	[7]13,009	(NA)	194,772	121,078	185,603	(NA)	111,732	191,911	29,103	(NA)	5,634	(NA)	226,648	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	3,148	514	r70,585	r327,923	61,118	100,401	267,815	557,165	[3]159,294	157,715	[3]65,817	[4]53,076	930,401	[4]62,666	r[4]9,880	r162
1954[5]	3,576	674	99,984	384,269	89,482	143,711	327,060	r592,269	[3]144,618	176,528	[3]74,203	[4]46,274	r992,713	[4]41,179	[4]13,480	135
1939[6]	[7]2,296	(NA)	197,853	262,988	186,005	283,052	235,798	343,494	69,386	(NA)	12,141	(NA)	425,021	(NA)	25,621	129
1929[11]	1,819	(NA)	289,883	437,742	276,500	(NA)	403,965	581,276	106,210	(NA)	7,489	15,801	694,975	(NA)	54,364	188
1919[8]	2,677	(NA)	330,940	467,609	314,441	(NA)	435,133	608,511	136,132	5,077	3,459	(NA)	753,179	(NA)	98,956	299
1909[12]	2,243	(NA)	365,445	205,412	354,674	(NA)	193,536	260,857	46,264	28	2,714	(NA)	309,863	(NA)	(NA)	(NA)
1902[13]	[7]2,825	(NA)	185,779	114,243	177,878	(NA)	106,356	184,604	23,059	(NA)	919	(NA)	208,582	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite, slate, and sandstone at such operations was $924 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for basalt, if any, is not available. For statistics "Excluding oil and gas extraction industries," includes data for one nonproducing crude petroleum and natural gas establishment.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and for crushed and broken stone quarries operated as parts of cement or lime establishments. For 1939, the census included 64 sand and gravel operations with products valued at $6,619 thousand; 59 common clay and shale pits with products valued at $560 thousand; and 48 such stone quarries with products valued at $4,525 thousand. For energy used for 1919, excludes purchased electricity. For 1939, for "All operations," the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used; and for 1929, for "Excluding oil and gas extraction industries," to only 2 percent.

[9]Includes data for gas purchased for resale without processing.

[10]Excludes data for sand, gravel, common clay, and shale mining operations and for crushed and broken stone quarries operated as parts of cement establishments. Includes data for lime plants producing lime valued at $1,430 thousand. Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[11]Excludes data for common clay and shale operations. There were 59 such mines reported for 1939 with products valued at $560 thousand.

[12]Includes data for nonproducing oil and gas extraction operations. See also footnote 8.

[13]Includes data for nonproducing oil and gas extraction operations. See also footnote 10.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	3,978	557	r76,068	r350,938	65,602	109,165	285,378	608,935	[2]465,549	998,352	[3]76,132	107,767	r657,038
	Mineral industries	3,822	525	r73,993	r342,246	63,578	105,155	277,039	579,743	460,030	963,761	76,012	105,152	631,703
	Included in manufactures	156	32	[4]2,075	[4]8,692	[4]2,024	4,010	8,339	29,192	[2]5,519	[4]34,591	[3]120	[4]2,615	r25,335
10	Metal mining	8	5	1,842	9,994	1,583	2,978	7,971	10,601	15,341	22,746	3,196	1,587	9,904
11	Anthracite mining	1,248	159	22,813	93,396	20,047	30,867	79,425	164,489	177,230	325,128	16,591	37,462	196,835
1111	Anthracite	1,163	117	19,712	79,473	17,266	26,409	67,449	142,198	160,948	290,342	12,804	32,769	167,090
1112	Anthracite stripping services	79	42	3,054	13,717	2,737	4,395	11,780	22,027	16,121	34,463	3,685	4,556	29,079
1113	Anthracite mining services, nec	6	...	47	206	44	63	196	264	161	323	102	137	666
12	Bituminous coal mining	1,373	233	r37,356	r185,329	32,264	52,239	150,420	291,778	199,271	457,632	33,417	51,219	300,452
1211	Bituminous coal	1,312	226	r36,791	r182,694	31,747	51,153	148,109	286,384	195,519	450,022	31,881	50,497	294,970
1213	Coal stripping services, nec	56	5	447	2,028	409	827	1,805	4,485	3,237	6,324	1,398	722	5,482
1214	Coal mining services, nec	5	2	118	607	108	259	506	909	515	1,286	138		
13	Oil and gas extraction	830	43	5,483	23,015	4,484	8,764	17,563	51,770	29,647	67,951	13,466	7,783	64,769
1311	Crude petroleum and natural gas	670	28	4,204	17,072	3,340	6,334	12,548	39,181	22,475	49,497	12,159	5,362	47,174
	Crude petroleum	485	15	2,735	11,155	2,117	3,989	7,780	22,006	7,431	27,208	2,229	3,366	13,316
	Natural gas	185	13	1,469	5,917	1,223	2,345	4,768	17,175	15,044	22,289	9,930	1,996	33,858
1321	Natural gas liquids	7	...	17	69	17	33	67	207	1,639	1,700	146	37	[5]172
138	Oil and gas field services	153	15	1,262	5,874	1,127	2,397	4,948	12,382	5,533	16,754	1,161	2,384	17,423
1381	Drilling oil and gas wells	87	13	991	4,794	901	1,946	4,166	10,685	4,823	14,512	996	956	7,039
	Nonmetallic minerals mining	519	117	8,574	39,204	7,224	14,317	29,999	90,297	[2]44,060	124,895	[3]9,462	9,716	r85,078
14	Mineral industries	363	85	6,499	30,512	5,200	10,307	21,660	61,105	38,541	90,304	9,342	7,101	59,743
	Included in manufactures	156	32	[4]2,075	[4]8,692	[4]2,024	4,010	8,339	29,192	[2]5,519	[4]34,591	[3]120	[4]2,615	r25,335
	Dimension stone	77	13	821	2,983	752	1,430	2,547	4,237	1,154	5,183	208	958	4,187
1411	Mineral industry	46	2	196	636	178	318	553	1,088	291	1,291	88	203	909
	Included in manufactures	31	11	625	2,347	574	1,112	1,994	3,149	863	3,892	120	755	3,278
	Dimension stone, nec	63	13	775	2,831	710	1,353	2,412	3,964	1,019	4,801	182	837	3,607
	Mineral subindustry	36	2	158	502	144	253	436	850	231	996	85	837	3,607
	Included in manufactures	27	11	617	2,329	566	1,100	1,976	3,114	788	3,805	97		
	Crushed and broken stone	199	80	5,344	25,028	4,539	9,147	19,458	63,275	[2]31,483	87,597	(NA)	5,942	r52,486
1421	Mineral industry	165	63	4,355	20,538	3,550	7,169	14,968	44,324	28,177	65,340	7,161	4,585	34,449
	Included in manufactures	34	17	[4]989	[4]4,490	[4]989	1,978	4,490	18,951	[2]3,306	[4]22,257	(NA)	[4]1,357	r18,037
	Crushed and broken limestone (mineral subindustry only)	122	49	3,577	17,299	2,887	5,895	12,379	36,114	22,504	52,407	6,211	3,558	27,077
	Crushed and broken stone, nec (mineral subindustry only)	43	14	778	3,239	663	1,274	2,589	8,210	5,673	12,933	950	1,027	7,372
	Sand and gravel	108	16	1,480	6,814	1,223	2,438	5,055	13,590	[2]8,148	20,652	(NA)	(NA)	(NA)
1441	Mineral industry	89	14	1,330	6,296	1,073	2,139	4,537	11,782	7,739	18,435	1,086	1,603	18,853
	Included in manufactures	19	2	[4]150	[4]518	[4]150	299	518	1,808	[2]409	[4]2,217	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	78	12	964	4,805	773	1,615	3,397	8,976	6,248	14,347	877	1,332	16,725
	Glass sand and molding sand (mineral subindustries)	11	2	366	1,491	300	524	1,140	2,806	1,491	4,088	209	271	2,128
	Clay and related minerals	118	7	663	2,853	625	1,142	2,651	8,409	[2]2,918	10,407	(NA)	1,173	9,287
145	Mineral industries	46	5	352	1,516	314	521	1,314	3,125	1,977	4,182	920	670	5,267
	Included in manufactures	72	2	[4]311	[4]1,337	[4]311	621	1,337	5,284	[2]941	[4]6,225	(NA)	[4]503	4,020
1453	Fire clay (mineral industry only)	39	5	337	1,460	300	491	1,259	2,952	1,808	3,865	895	606	4,664
	Clay and related minerals, nec	54	1	[4]137	[4]655	[4]137	276	655	2,471	[2]525	[4]2,974	[3]22	[4]263	1,837

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figure for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	460,030	166,949	159,132	77,002	56,947	76,012	12,529	63,483	xxx	xxx	xxx	xxx
10	Metal mining.....	15,341	5,824	4,887	2,143	2,487	3,196	1	3,195	xxx	xxx	xxx	xxx
11	Anthracite mining.....	177,230	41,317	85,375	40,505	10,033	16,591	3,818	12,773	xxx	xxx	xxx	xxx
1111	Anthracite.....	160,948	29,937	85,375	39,319	6,317	12,804	3,818	8,986	22,341	196,425	...	...
1112	Anthracite stripping services..	16,121	11,320	xxx	1,186	3,615	3,685	...	3,685	xxx	[3]33,305	xxx	([3])
12	Bituminous coal mining.....	199,271	79,827	67,289	20,000	32,155	33,417	1,885	31,532	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	195,519	77,732	67,289	19,703	30,795	31,881	1,885	29,996	69,537	380,078	80	296
1213	Coal stripping services, nec...	3,237	1,738	xxx	258	1,241	1,398	...	1,398	xxx	[3]6,176	xxx	([3])
13	Oil and gas extraction.....	29,647	13,034	1,462	11,189	3,962	13,466	6,292	7,174	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	22,475	9,369	xxx	10,823	2,283	12,159	6,173	5,986	xxx	r49,004	xxx	r793
	Crude petroleum.....	7,431	4,390	xxx	2,558	483	2,229	814	1,415	[4]6,474	26,454	[4]41	181
	Natural gas.....	15,044	4,979	xxx	8,265	1,800	9,930	5,359	4,571	[5]77,208	21,973	[5]4,509	1,207
138	Oil and gas field services.....	5,533	3,614	xxx	363	1,556	1,161	119	1,042	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	4,823	3,109	xxx	305	1,409	996	117	879	xxx	[3]12,551	xxx	([3])
14	Nonmetallic minerals mining.....	38,541	26,947	119	3,165	8,310	9,342	533	8,809	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	28,177	20,682	20	2,487	4,988	7,161	428	6,733	32,012	58,174	r[6]13,607	[6]23,076
	Crushed and broken limestone.	22,504	16,301	20	2,021	4,162	6,211	403	5,808	27,505	45,915	r[6]13,141	[6]22,419
	Crushed and broken stone, nec	5,673	4,381	...	466	826	950	25	925	4,468	12,135	[6]505	[6]781
1441	Sand and gravel.....	7,739	(D)	(D)	307	2,371	1,086	25	1,061	10,993	[7]19,563	[6]1,596	([7])
	Common sand and gravel.....	6,248	4,097	...	285	1,866	877	9	868	9,918	[7]15,700	[6]1,556	([7])

D Withheld to avoid disclosing data for individual companies. r Revised.

[1] Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2] Represents expenditures during the year for both new and used plant and equipment.

[3] Figures for primary services performed in other industries are included with those for primary services performed in the specified industry.

[4] Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[5] Represents millions of cubic feet of natural gas shipped.

[6] Includes minerals produced and used in the same establishment in making manufactured products. The value of such minerals was estimated.

[7] Figures for the value of primary products shipped in other industries or subindustries are included with those for the value of primary products shipped in the specified industry. See also footnote 6.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	3,518	3,471	2,630	1,429	450	751	698	202	391	105	143	47
	Number of employees	[3]69,000	68,551	22,263	13,894	3,075	5,294	43,153	23,437	8,795	10,921	3,135	216
	Value added in mining, $1,000	539,229	539,391	186,680	94,128	40,711	51,841	326,809	170,756	83,326	72,727	25,902	([4])
10	Metal mining:												
	Number of establishments	8	8	...	...	...	...	3	3	...	...	5	...
	Number of employees	1,811	1,811	...	...	...	...	(D)	(D)	...	...	(D)	...
	Value added in mining, $1,000	10,450	10,450	...	...	...	...	(D)	(D)	...	...	(D)	...
11	Anthracite mining:												
	Number of establishments	1,163	1,154	966	829	77	60	91	17	11	63	97	9
	Number of employees	19,712	19,703	7,301	5,505	954	842	10,019	573	752	8,694	2,383	9
	Value added in mining, $1,000	142,198	142,348	60,696	33,962	18,320	8,414	63,758	3,196	4,786	55,776	17,894	([4])
12	Bituminous coal mining:												
	Number of establishments	1,312	1,303	914	589	288	37	356	178	149	29	33	9
	Number of employees	36,791	36,786	10,311	8,246	1,746	319	25,854	21,026	3,100	1,728	621	87
	Value added in mining, $1,000	286,384	286,025	81,626	59,296	19,092	3,238	198,361	157,933	28,204	12,224	6,038	359
13	Oil and gas extraction:												
	Number of establishments	677	655	648	...	...	648	...	...	...	...	7	22
	Number of employees	4,221	4,129	4,112	...	...	4,112	...	...	...	...	17	92
	Value added in mining, $1,000	39,388	39,746	39,539	...	...	39,539	...	...	...	...	207	([4])
14	Nonmetallic minerals mining:												
	Number of establishments	358	351	102	11	85	6	248	4	231	13	1	7
	Number of employees	[3]6,465	6,122	539	143	375	21	(D)	(D)	4,943	499	(D)	28
	Value added in mining, $1,000	60,809	60,822	4,819	870	3,299	650	(D)	(D)	50,336	4,727	(D)	([4])
142	Crushed and broken stone:												
	Number of establishments	165	164	7	...	7	...	157	3	152	2	...	1
	Number of employees	[3]4,355	(D)	81	...	81	...	(D)	(D)	3,968	(D)	...	(D)
	Value added in mining, $1,000	44,324	(D)	674	...	674	...	(D)	(D)	41,984	(D)	...	(D)
144	Sand and gravel:												
	Number of establishments	89	87	16	...	12	4	71	...	60	11	...	2
	Number of employees	[3]1,330	(D)	36	...	19	17	(D)	...	836	(D)	...	(D)
	Value added in mining, $1,000	11,782	(D)	666	...	75	591	(D)	...	7,434	(D)	...	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.
[3]Total includes, but detail by type of operation excludes, some employees at separately reported central offices and related facilities.
[4]Not shown since the cost of supplies, purchases for resale, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA:													
	All mineral operations	3,978	557	r76,068	r350,938	65,602	109,165	285,378	608,935	[4]465,549	998,352	[5]76,132	107,767	r657,038
	Mineral industries	3,822	525	r73,993	r342,246	63,578	105,155	277,039	579,743	460,030	963,761	76,012	105,152	631,703
	Included in manufactures	156	32	[6]2,075	[6]8,692	[6]2,024	4,010	8,339	29,192	[4]5,519	34,591	[5]120	[6]2,615	r25,335
	COUNTIES													
14	Adams (mineral industries only)	6	2	309	1,527	269	492	1,204	4,802	3,333	6,638	1,497	234	2,593
	Allegheny (including operations in manufactures)	128	24	3,247	19,114	(NA)	(NA)	(NA)	(NA)	(NA)	60,355	(NA)	[7]4,961	(NA)
	Mineral industries: Including oil and gas extraction	120	24	3,237	19,058	(NA)	(NA)	(NA)	(NA)	(NA)	59,848	(NA)	[7]4,950	(NA)
	Excluding oil and gas extraction	78	22	3,090	18,448	2,415	4,278	13,253	27,224	33,339	58,834	1,729	4,799	31,794
12	Bituminous coal mining	65	22	2,957	17,804	2,330	4,118	12,905	26,655	32,388	57,419	1,624	4,700	31,246
13	Oil and gas extraction	42	2	147	610	(NA)	(NA)	(NA)	(NA)	(NA)	1,014	(NA)	[7]151	(NA)
10 and 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	13	...	133	644	85	160	348	569	951	1,415	105	99	548
144	Sand and gravel	5	...	73	330	44	84	181	373	722	1,030	65	56	252
	Armstrong, total	160	12	1,490	6,757	(NA)	(NA)	(NA)	(NA)	(NA)	19,685	(NA)	[7]1,835	(NA)
	Mineral industries: Including oil and gas extraction	150	11	1,430	6,527	(NA)	(NA)	(NA)	(NA)	(NA)	18,815	(NA)	[7]1,788	(NA)
	Excluding oil and gas extraction	88	11	1,138	5,303	1,025	1,697	4,666	10,126	7,369	15,919	1,576	1,575	10,052
	Included in manufactures	10	1	[6]60	[6]230	[6]60	119	230	739	[4]131	870	(NA)	[6]47	516
12	Bituminous coal mining	77	8	951	4,467	869	1,457	4,004	8,163	6,194	13,044	1,313	973	5,461
13	Oil and gas extraction	62	...	292	1,224	(NA)	(NA)	(NA)	(NA)	(NA)	3,788	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	39	...	200	795	(NA)	(NA)	(NA)	(NA)	(NA)	2,896	(NA)	213	(NA)
14	Nonmetallic minerals mining (mineral industries only)	11	3	187	836	156	240	662	1,963	1,175	2,875	263	602	4,591
144	Sand and gravel	5	2	139	697	121	215	574	1,707	983	2,436	254	187	1,855
	Beaver, total	31	3	214	923	(NA)	(NA)	(NA)	(NA)	(NA)	3,504	(NA)	[7]515	(NA)
	Mineral industries: Including oil and gas extraction	25	3	164	725	(NA)	(NA)	(NA)	(NA)	(NA)	2,894	(NA)	[7]407	(NA)
	Excluding oil and gas extraction	19	3	159	704	125	255	569	1,210	1,853	2,851	212	402	3,963
	Included in manufactures	6	...	[6]50	[6]198	[6]50	98	198	506	[4]104	610	(NA)	[6]108	398
12	Bituminous coal mining	12	1	103	406	72	140	292	631	1,488	2,047	72	219	1,510
	Nonmetallic minerals mining (including operations in manufactures)	13	2	[6]106	[6]496	[6]103	213	475	1,085	[4]469	1,414	[5]140	[6]291	2,851
	Bedford (mineral industries only)	23	4	265	1,091	208	357	688	1,823	835	2,480	178	283	1,555
	Berks (mineral industries only)	11	5	754	4,019	665	1,086	3,324	35	6,772	3,546	3,261	401	2,815
	Blair, total	21	3	222	813	200	354	721	1,584	[4]699	2,193	(NA)	(NA)	(NA)
	Mineral industries	17	2	156	607	134	224	515	1,154	443	1,507	90	320	2,274
	Included in manufactures	4	1	[6]66	[6]206	[6]66	130	206	430	[4]256	686	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining (mineral industries only)	12	2	106	382	88	125	308	763	288	1,012	39	192	1,682
	Bradford (including operations in manufactures)	4	...	[6]10	[6]27	[6]9	18	25	149	[4]4	149	[5]4	(NA)	(NA)
	Bucks (including operations in manufactures)	24	4	[6]374	[6]1,987	[6]324	674	1,600	4,631	(NA)	8,008	(NA)	[6]470	9,028
14	Mineral industries	20	4	356	1,919	306	643	1,532	4,420	3,634	7,734	320	454	8,902
144	Sand and gravel (mineral industries only)	9	2	226	1,308	192	455	1,053	2,807	2,549	5,259	97	308	7,820

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA—Continued													
	COUNTIES—Continued													
	Butler (mineral industries only)	129	17	957	4,112	(NA)	(NA)	(NA)	(NA)	(NA)	14,907	(NA)	[7]1,932	(NA)
	Excluding oil and gas extraction	76	17	840	3,635	658	1,252	2,787	7,126	8,890	14,405	1,611	1,131	6,083
12	Bituminous coal mining	66	15	724	2,973	584	1,134	2,381	6,472	8,264	13,181	1,555	(NA)	(NA)
1211	Bituminous coal	59	14	674	2,764	548	1,061	2,236	6,063	7,551	12,435	1,179	651	4,422
14	Nonmetallic minerals mining (mineral industries only)	10	2	116	662	74	118	406	654	626	1,224	56	(NA)	(NA)
142	Crushed and broken stone (mineral industries only)	4	2	98	601	57	92	346	538	601	1,085	54	(NA)	(NA)
	Cambria (mineral industries only)	164	29	6,749	32,228	5,865	8,738	26,165	40,737	16,841	54,115	3,463	9,222	43,027
12	Bituminous coal mining	161	29	6,745	32,216	5,861	8,732	26,153	40,729	16,836	54,102	3,463	[8]9,178	[8]42,940
	Cameron (mineral industries only)	11	...	37	133	(NA)	(NA)	(NA)	(NA)	(NA)	392	(NA)	[7]76	(NA)
	Carbon	20	9	551	2,176	460	725	1,770	3,205	3,839	6,506	538	1,231	8,968
11	Anthracite mining, total	14	7	460	1,874	385	605	1,538	2,546	3,220	5,578	188	1,179	8,739
1111	Anthracite	6	4	324	1,353	271	428	1,087	1,785	2,818	4,523	80	903	7,154
1112, 1113	Anthracite services	8	3	136	521	114	177	451	761	402	1,055	108	276	1,585
	Centre (mineral industries only), total	47	10	523	1,983	471	881	1,747	3,824	2,889	5,844	869	585	3,145
12	Bituminous coal mining	41	7	390	1,482	355	643	1,324	2,715	2,232	4,250	697	379	2,297
13 and 14	Oil and gas extraction and Nonmetallic minerals mining (mineral industries only)	6	3	133	501	116	238	423	1,109	657	1,594	172	206	848
	Chester, total	11	6	218	1,016	(D)	391	(D)	2,940	(D)	4,497	(D)	259	1,904
14	Mineral industries	8	4	154	639	130	267	543	2,029	1,248	3,173	104	144	1,006
	Included in manufactures	3	2	[6]64	[6]377	(D)	124	(D)	911	(D)	1,324	(D)	[6]115	898
142	Crushed and broken stone	5	4	143	607	119	247	511	1,923	1,224	3,044	103	138	967
	Clarion (including operations in manufactures)	105	18	[6]1,037	[6]4,283	(NA)	(NA)	(NA)	(NA)	(NA)	13,975	(NA)	[7]980	(NA)
	Mineral industries: Including oil and gas extraction	102	18	1,009	4,185	(NA)	(NA)	(NA)	(NA)	(NA)	13,759	(NA)	[7]954	(NA)
	Excluding oil and gas extraction	57	16	832	3,448	752	1,505	3,160	7,564	6,961	12,598	1,927	781	5,674
12	Bituminous coal mining	48	15	753	3,148	684	1,372	2,893	6,895	6,537	11,577	1,855	[8]696	[8]5,026
13	Oil and gas extraction	45	2	177	737	(NA)	(NA)	(NA)	(NA)	(NA)	1,161	(NA)	[7]173	(NA)
14	Nonmetallic minerals mining	9	1	79	300	68	133	267	669	424	1,021	72	(NA)	(NA)
	Clearfield (mineral industries only): Including oil and gas extraction	230	37	2,931	11,100	(NA)	(NA)	(NA)	(NA)	(NA)	37,889	(NA)	[7]2,896	(NA)
	Excluding oil and gas extraction	210	34	2,706	10,092	2,397	4,223	9,139	19,114	13,437	29,114	3,437	2,880	15,584
12	Bituminous coal mining, total	189	32	2,545	9,387	2,255	4,004	8,551	17,411	12,955	27,039	3,327	2,596	13,704
1211	Bituminous coal	176	31	2,418	8,766	2,138	3,708	8,058	16,366	12,150	25,558	2,958	2,334	12,191
1213, 1214	Bituminous coal services	13	1	127	621	117	296	493	1,045	805	1,481	369	262	1,513
13	Oil and gas extraction, total	20	3	225	1,008	(NA)	(NA)	(NA)	(NA)	(NA)	8,775	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	11	...	62	247	(NA)	(NA)	(NA)	(NA)	(NA)	5,061	(NA)	16	(NA)
138	Oil and gas field services	9	3	163	761	(NA)	(NA)	(NA)	(NA)	(NA)	3,714	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining (mineral industries only)	21	2	161	705	142	219	588	1,703	482	2,075	110	284	1,880
145	Clay and related minerals (mineral industries only)	16	2	147	668	132	202	565	1,635	459	2,012	82	273	1,864

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA—Continued													
	COUNTIES—Continued													
	Clinton	23	4	203	938	(NA)	(NA)	(NA)	(NA)	(NA)	4,188	(NA)	[7]256	(NA)
12	Bituminous coal mining	14	3	135	652	124	287	582	1,602	1,382	2,854	130	176	1,275
	Columbia (including operations in manufactures)	71	9	778	3,087	696	1,047	2,652	5,465	4,052	8,430	1,087	(NA)	(NA)
11	Anthracite mining, total	68	9	765	3,035	687	1,025	2,625	5,386	3,996	8,309	1,073	601	3,892
1111	Anthracite	62	5	611	2,432	548	831	2,102	4,436	3,281	6,680	1,037	601	3,892
1112-1113	Anthracite services	6	4	154	603	139	194	523	950	715	1,629	36	...	...
	Crawford	17	...	49	200	(NA)	(NA)	(NA)	(NA)	(NA)	418	(NA)	[7]37	(NA)
14	Cumberland (mineral industries only)	7	1	76	256	64	110	214	378	222	558	42	86	435
	Dauphin (mineral industries only), total	45	4	356	1,383	329	599	1,226	2,947	2,233	4,964	216	209	1,377
1111	Anthracite	39	2	140	411	129	189	384	906	1,268	2,020	154	96	595
1112 and 14	Anthracite stripping services and Nonmetallic mineral mining (mineral industries only)	6	2	216	972	200	410	842	2,041	965	2,944	62	113	782
	Delaware (including operations in manufactures)	9	2	[6]203	[6]837	[6]175	334	706	1,689	[4]1,094	2,623	(NA)	[9]222	[9]1,885
	Elk, total	54	2	332	1,316	(NA)	(NA)	(NA)	(NA)	(NA)	4,393	(NA)	[7]820	(NA)
12	Bituminous coal mining	25	2	197	766	189	294	753	1,438	626	1,960	104	[8]226	[8]1,245
13	Oil and gas extraction	29	...	135	550	(NA)	(NA)	(NA)	(NA)	(NA)	2,433	(NA)	[7]586	(NA)
131	Crude petroleum and natural gas	22	...	117	466	(NA)	(NA)	(NA)	(NA)	(NA)	2,156	(NA)	(NA)	(NA)
	Erie (mineral industries only)	13	...	36	175	(NA)	(NA)	(NA)	(NA)	(NA)	562	(NA)	[7]37	(NA)
	Fayette (mineral industries only)	80	13	2,164	11,559	(NA)	(NA)	(NA)	(NA)	(NA)	46,212	(NA)	[7]6,220	(NA)
12	Bituminous coal mining	65	11	2,050	11,112	1,773	2,772	8,678	17,327	28,054	44,605	776	5,999	36,605
14	Nonmetallic minerals mining	6	2	93	362	81	104	295	926	1,168	1,296	798	144	1,471
	Forest (mineral industries only)	28	...	58	244	(NA)	(NA)	(NA)	(NA)	(NA)	458	(NA)	[7]104	(NA)
14	Franklin	9	1	112	396	86	170	280	1,006	404	1,211	199	109	824
	Greene	74	13	5,786	29,623	(NA)	(NA)	(NA)	(NA)	(NA)	63,137	(NA)	[7][9]7,375	(NA)
12	Bituminous coal mining	20	10	5,601	28,870	4,989	7,506	23,486	47,378	15,771	60,791	2,358	(NA)	(NA)
1211	Bituminous coal	17	9	5,514	28,486	4,908	7,356	23,127	46,807	15,510	59,968	2,349	7,110	39,914
131	Crude petroleum and natural gas	42	3	166	661	(NA)	(NA)	(NA)	(NA)	(NA)	1,423	(NA)	165	(NA)
	Huntingdon	20	2	324	1,361	267	488	1,061	3,819	1,328	5,076	71	[9]509	[9]3,567
14	Nonmetallic minerals mining	6	2	278	1,214	224	438	929	3,481	1,182	4,624	39	403	3,034
	Indiana, total	141	28	3,413	18,192	(NA)	(NA)	(NA)	(NA)	(NA)	44,860	(NA)	[7]3,100	(NA)
12	Bituminous coal mining	107	24	3,140	17,037	2,684	4,626	13,965	22,215	19,672	38,587	3,300	3,010	18,517
131	Crude petroleum and natural gas	15	1	138	549	(NA)	(NA)	(NA)	(NA)	(NA)	2,559	(NA)	(NA)	(NA)
138 and 14	Oil and gas field services and Nonmetallic minerals mining	19	3	135	606	(NA)	(NA)	(NA)	(NA)	(NA)	3,714	(NA)	(NA)	(NA)
	Jefferson (mineral industries only)	100	6	963	3,277	(NA)	(NA)	(NA)	(NA)	(NA)	7,923	(NA)	[7]1,166	(NA)
12	Bituminous coal mining	67	3	792	2,570	672	886	2,203	4,492	1,770	5,822	440	[8]981	[8]4,772
131	Crude petroleum and natural gas	22	2	131	522	(NA)	(NA)	(NA)	(NA)	(NA)	1,746	(NA)	150	(NA)
	Juniata (including operations in manufactures)	4	...	[6]30	[6]110	(NA)	(NA)	(NA)	(NA)	(NA)	229	(NA)	[9]22	[9]133
	Lackawanna	124	21	3,638	14,434	(NA)	(NA)	(NA)	(NA)	(NA)	40,370	(NA)	[9]5,649	[9]25,921
11	Anthracite mining, total	118	20	3,433	13,062	2,846	4,171	10,354	18,143	23,197	40,117	1,223	5,649	25,921
1111	Anthracite	100	17	3,232	12,009	2,663	3,846	9,423	15,967	21,748	36,750	965	5,318	23,949
1112-1113	Anthracite services	18	3	201	1,053	183	325	931	2,176	1,449	3,367	258	331	1,972

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958										1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA—Continued													
	COUNTIES—Continued													
	Lancaster (including operations in manufactures)	27	6	[6]381	[6]1,691	[6]304	914	1,332	3,736	[4]2,048	5,173	[5]611	[6]388	3,377
	Mineral industries	24	6	373	1,670	296	899	1,311	3,602	1,977	4,968	611	331	3,083
142	Crushed and broken stone	17	5	275	1,171	205	497	869	2,063	1,677	3,235	505	260	2,165
	Lawrence, total	47	8	856	4,747	(NA)	(NA)	(NA)	(NA)	(NA)	15,609	(NA)	630	5,793
	Mineral industries	39	7	728	4,080	(NA)	(NA)	(NA)	(NA)	(NA)	12,826	(NA)	476	4,183
	Included in manufactures	8	1	[6]128	[6]667	[6]128	254	667	2,606	[4]177	2,783	(NA)	[6]154	1,610
12	Bituminous coal mining	27	2	219	1,214	201	449	1,140	3,341	2,640	5,294	687	138	2,077
14	Nonmetallic minerals mining (mineral industries only)	8	5	507	2,858	406	785	1,986	5,850	2,634	7,523	961	338	2,672
	Lebanon (including operations in manufactures)	7	4	[6]1,284	[6]6,488	[6]1,132	2,059	5,285	13,204	[4]4,773	17,829	[5]148	[9]1,324	[9]10,035
	Lehigh, total	12	5	336	1,522	297	618	1,260	4,129	(D)	4,951	(D)	463	4,767
	Mineral industries	5	2	231	1,021	193	414	766	1,400	959	1,924	435	272	2,185
	Included in manufactures	7	3	105	501	104	204	494	2,729	(D)	3,027	(D)	191	2,582
	Luzerne (mineral industries only)	145	60	8,379	35,467	7,312	11,399	29,835	52,772	56,381	105,410	3,743	15,914	79,403
11	Anthracite mining, total	132	58	8,254	35,001	7,201	11,225	29,477	51,980	55,943	104,324	3,599	15,800	78,728
1111	Anthracite	107	42	7,354	30,849	6,391	9,825	25,938	45,841	51,094	94,046	2,889	14,819	70,308
1112-1113	Anthracite services	25	16	900	4,152	810	1,400	3,539	6,139	4,849	10,278	710	981	8,420
	Lycoming	19	5	203	860	175	339	661	1,481	1,173	2,143	511	[10]124	[10]1,088
	McKean (mineral industries only)	244	10	1,886	8,096	(NA)	(NA)	(NA)	(NA)	(NA)	21,829	(NA)	[7]2,461	(NA)
13	Oil and gas extraction, total	238	10	1,868	8,044	(NA)	(NA)	(NA)	(NA)	(NA)	21,533	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	188	8	1,652	7,036	(NA)	(NA)	(NA)	(NA)	(NA)	20,092	(NA)	2,413	(NA)
138	Oil and gas field services	50	2	216	1,008	(NA)	(NA)	(NA)	(NA)	(NA)	1,441	(NA)	(NA)	(NA)
	Mercer	26	5	250	1,233	(NA)	(NA)	(NA)	(NA)	(NA)	4,662	(NA)	[7]277	(NA)
12	Bituminous coal mining	14	4	199	1,013	177	390	916	2,760	1,592	3,900	452	[8]224	[8]1,932
	Mifflin	6	2	198	792	168	259	578	1,224	741	1,818	147	(NA)	(NA)
	Monroe (mineral industries only)	4	...	25	115	22	47	94	339	263	535	67	(NA)	(NA)
	Montgomery, total	26	6	654	3,985	451	964	2,082	6,378	[6]6,458	11,988	[5]848	401	3,065
	Mineral industries	20	6	642	3,929	439	938	2,026	5,961	6,361	11,474	848	371	2,695
	Included in manufactures	6	...	[6]12	[6]56	[6]12	26	56	417	[4]97	514	(NA)	[6]30	370
142	Crushed and broken stone (mineral industries only)	14	5	562	3,206	409	891	1,922	5,805	5,932	10,901	836	(NA)	(NA)
	Northampton, total	31	22	1,027	4,576	926	1,845	3,810	11,718	[4]2,278	13,889	[5]107	1,097	11,910
	Mineral industries	9	3	180	1,004	125	247	523	1,143	673	1,760	56	153	1,190
	Included in manufactures	22	19	[6]847	[6]3,572	[6]801	1,598	3,287	10,575	[4]1,605	12,129	[5]51	[6]944	10,720
	Dimension stone (including operations in manufactures)	13	10	539	2,051	493	983	1,766	2,764	576	3,268	72	(NA)	(NA)
	Crushed and broken stone, total	13	12	427	2,059	410	811	1,939	8,568	[4]1,518	10,061	(NA)	(NA)	(NA)
142	Mineral industries	3	3	119	551	102	202	431	784	502	1,261	25	(NA)	(NA)
	Included in manufactures	10	9	[6]308	[6]1,508	[6]308	609	1,508	7,784	[4]1,016	8,800	(NA)	(NA)	(NA)
	Northumberland (including operations in manufactures)	301	13	2,004	7,207	1,801	2,816	6,372	15,348	20,199	34,447	(NA)	[9]3,633	[9]19,639
11	Anthracite mining, total	296	13	1,980	7,135	1,779	2,776	6,301	14,997	20,079	33,995	1,081	3,604	19,380
1111	Anthracite	287	9	1,685	5,758	1,506	2,310	5,064	13,267	18,008	30,407	868	3,216	16,500
1112-1113	Anthracite services	9	4	295	1,377	273	466	1,237	1,730	2,071	3,588	213	388	2,880
	Philadelphia (including operations in manufactures)	8	2	[6]308	[6]1,733	[6]87	179	361	1,910	[4]4,795	6,705	(NA)	[6]266	707
	Potter (mineral industries only)	19	3	90	352	(NA)	(NA)	(NA)	(NA)	(NA)	1,664	(NA)	[7]122	(NA)
13	Oil and gas extraction	15	3	86	345	(NA)	(NA)	(NA)	(NA)	(NA)	1,637	(NA)	[7]92	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA—Continued													
	COUNTIES—Continued													
	Schuylkill (mineral industries only)	583	54	7,663	32,341	6,905	10,635	28,231	68,743	69,054	128,634	9,163	[10]10,408	[10]58,478
11	Anthracite mining, total	580	54	7,623	32,210	6,873	10,578	28,125	68,352	68,845	128,080	9,117	10,377	58,303
1111	Anthracite	542	37	6,216	26,034	5,619	8,697	22,869	57,914	62,092	113,343	6,663	7,660	43,415
1112-1113	Anthracite services	38	17	1,407	6,176	1,254	1,881	5,256	10,438	6,753	14,737	2,454	2,717	14,888
	Snyder (mineral industries only)	5	...	48	133	43	67	119	359	106	433	32	46	237
	Somerset (mineral industries only), total	187	13	1,840	7,442	(NA)	(NA)	(NA)	(NA)	(NA)	18,221	(NA)	(NA)	(NA)
	Mineral industries	183	13	1,822	7,376	(NA)	(NA)	(NA)	(NA)	(NA)	17,731	(NA)	2,569	10,574
	Included in manufactures	4	...	18	66	18	35	66	442	48	490	(NA)	(NA)	(NA)
12	Bituminous coal mining	172	13	1,771	7,193	1,588	2,281	6,555	10,703	7,278	17,172	809	[8]2,467	[8]10,080
	Sullivan	6	...	7	19	5	10	16	42	18	55	5	34	123
	Susquehanna (including operations in manufactures)	14	1	46	162	43	66	129	330	187	413	104	(NA)	(NA)
	Mineral industries	7	1	30	128	27	51	95	259	169	328	100	43	264
	Tioga	11	1	66	282	(NA)	(NA)	(NA)	(NA)	(NA)	2,029	(NA)	[7]90	(NA)
12	Bituminous coal mining	8	1	64	274	51	100	191	787	1,318	1,982	123	[8]56	[8]285
	Venango	106	6	690	2,949	(NA)	(NA)	(NA)	(NA)	(NA)	5,625	(NA)	[7]843	(NA)
12	Bituminous coal mining	12	1	140	678	130	274	613	1,270	1,701	2,722	249	[8]125	[8]1,057
13	Oil and gas extraction	89	4	496	2,051	(NA)	(NA)	(NA)	(NA)	(NA)	2,176	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	81	4	471	1,933	(NA)	(NA)	(NA)	(NA)	(NA)	1,850	(NA)	633	(NA)
	Warren	59	1	192	780	(NA)	(NA)	(NA)	(NA)	(NA)	1,840	(NA)	[7]275	(NA)
131	Crude petroleum and natural gas	50	1	162	645	(NA)	(NA)	(NA)	(NA)	(NA)	1,141	(NA)	258	(NA)
	Washington (including operations in manufactures)	100	17	5,654	30,100	(NA)	(NA)	(NA)	(NA)	(NA)	66,572	(NA)	[7]8,655	(NA)
	Mineral industries	97	17	5,651	30,089	(NA)	(NA)	(NA)	(NA)	(NA)	66,517	(NA)	(NA)	(NA)
12	Bituminous coal mining	56	15	5,439	29,230	4,641	7,354	23,058	49,128	23,671	64,923	7,876	8,385	58,205
13	Oil and gas extraction	38	2	204	840	(NA)	(NA)	(NA)	(NA)	(NA)	1,544	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	29	2	163	649	(NA)	(NA)	(NA)	(NA)	(NA)	1,322	(NA)	259	(NA)
	Wayne (mineral industries only)	8	1	42	221	(NA)	(NA)	(NA)	(NA)	(NA)	802	(NA)	(NA)	(NA)
	Westmoreland (mineral industries only)	132	14	2,144	11,085	(NA)	(NA)	(NA)	(NA)	(NA)	24,177	(NA)	[7]2,165	(NA)
12	Bituminous coal mining	85	11	1,936	10,233	1,730	2,932	8,786	17,300	5,772	21,251	1,821	[8]2,004	[8]12,984
13	Oil and gas extraction	39	1	145	600	(NA)	(NA)	(NA)	(NA)	(NA)	2,060	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	21	1	112	446	(NA)	(NA)	(NA)	(NA)	(NA)	1,682	(NA)	100	(NA)
	Wyoming (including operations in manufactures)	4	1	[6]38	[6]154	[6]36	69	134	291	[4]75	354	(NA)	(NA)	(NA)
	York (including operations in manufactures)	15	4	[6]339	[6]1,678	[6]280	564	1,218	4,346	[4]1,515	5,600	[5]261	[6]335	[10]4,398
	Mineral industries	11	4	319	1,585	260	525	1,125	3,703	1,418	4,860	261	287	[10]2,716
142	Crushed and broken stone (mineral industries only)	7	4	294	1,498	241	493	1,078	3,477	1,348	4,566	259	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	PENNSYLVANIA—Continued													
	COUNTIES—Continued													
	Undistributed:													
13	Oil and gas extraction.....	126	...	248	1,179	(NA)	(NA)	(NA)	(NA)	(NA)	3,134	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas.....	78	...	114	452	(NA)	(NA)	(NA)	(NA)	(NA)	2,009	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating these totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]For crushed and broken stone, sand and gravel, and clay mining in manufacturing establishments, excludes the cost of purchased machinery installed.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]See table 2A, footnote 4.
[7]Excludes data for Oil and Gas Field Services Industries.
[8]Excludes data for Coal Services Industries.
[9]Represents mineral industries only.
[10]Excludes data for one crude petroleum or natural gas establishment.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
106 Ferroalloy ores
108 Metal mining services
110 Anthracite
11C Anthracite mining services
120 Bituminous coal
12C Coal mining services, n.e.c.
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	106	108[1]	110	11C[1]	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Pennsylvania, total.	3,978	3,822	156	4	...	1	...	3	...	1,163	85	1,312	61	670	7	153	46	31	165	34	89	19	46	72	1	5	11	...
No employees.....	741	737	4	...	...	...	...	...	...	473	1	123	1	106	1	10	9	...	3	1	6	...	4	3	...	...	...	...
1-4 employees.....	1,682	1,597	85	...	...	...	...	...	...	343	16	553	25	449	3	96	27	16	22	6	33	13	20	50	...	2	8	...
5-9 employees.....	556	537	19	...	...	...	...	1	...	139	15	218	12	60	3	25	5	2	25	5	18	2	13	10	...	2	1	...
10-19 employees...	442	426	16	1	...	...	...	1	...	91	11	192	16	27	...	7	3	2	52	5	18	2	4	7	1	...	2	...
20-49 employees...	330	309	21	1	...	...	...	1	...	59	27	126	6	17	...	10	2	6	45	12	10	1	4	2	...	1	...	...
50-99 employees...	87	77	10	...	...	...	...	...	...	19	7	28	...	4	...	4	...	5	12	4	2	1	1	...	...	...	...	...
100-249 employees.	84	83	1	...	...	1	...	...	...	25	6	37	1	5	...	1	...	...	5	1	2	...	...	...	...	...	...	...
250-499 employees.	31	31	...	...	...	...	...	...	...	8	2	19	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
500-999 employees.	19	19	...	1	...	...	...	...	...	2	...	15	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000-2,499 employees.....	6	6	...	1	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	1	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Allegheny:																												
0-19 employees....	104	96	8	1	...	...	...	...	1	...	...	42	1	29	3	8	4	1	...	...	5	...	1	7	...	1	...	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	14	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Armstrong:																												
0-19 employees....	148	139	9	...	...	...	...	...	...	...	...	64	5	39	...	23	...	...	4	1	3	...	1	8	...	...	...	...
20-99 employees...	10	9	1	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	1	...	2	...	...	1	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beaver:																												
0-19 employees....	28	22	6	...	...	...	...	...	...	...	...	10	1	4	...	2	...	...	...	...	3	...	1	6	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Bedford:																												
0-19 employees....	20	19	1	...	...	...	...	...	...	...	...	18	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Berks:																												
0-19 employees....	10	6	4	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	1	2	...	...	3	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blair:																												
0-19 employees....	18	15	3	...	...	...	...	...	...	...	...	4	...	...	...	1	...	...	6	1	2	1	2	1	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...
Bradford:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...
Bucks:																												
0-19 employees....	20	16	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	8	1	7	1	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Butler:																												
0-19 employees....	115	112	3	...	...	...	...	...	...	...	...	45	6	45	...	8	1	...	2	1	3	1	2	1	...	...	...	...
20-99 employees...	18	17	1	...	...	...	...	...	...	...	...	14	1	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
Cambria:																												
0-19 employees....	137	135	2	...	...	...	...	...	...	...	...	130	2	1	...	...	...	...	...	...	1	1	1	1	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	10	10	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cameron:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	2	1	7	...	1	...	1	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	106	108[1]	110	110[1]	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Carbon:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	2	5	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees...	8	8	...	1	...	...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Centre:																												
0-19 employees....	38	37	1	...	...	...	...	...	...	...	...	33	1	...	...	1	...	...	2	1	...	...	...	...	...	...	...	...
20-99 employees...	12	10	2	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	3	2	...	...	...	...	...	...	...	...
Chester:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	1	...	...	...	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	1	...	...	...	...	...	...	...	...
Clarion:																												
0-19 employees....	87	84	3	...	...	...	...	...	...	...	...	30	3	34	...	9	...	...	...	...	1	...	6	3	...	1	...	...
20-99 employees...	18	18	...	...	...	...	...	...	...	...	...	15	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Clearfield:																												
0-19 employees....	195	193	2	...	...	...	...	...	...	...	...	145	12	11	...	6	...	...	2	...	1	...	14	2	...	2	...	...
20-99 employees...	34	34	...	...	...	...	...	...	...	...	...	28	1	...	...	3	...	...	...	...	...	...	2	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clinton:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	9	2	2	...	4	...	...	1	...	...	...	1	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	62	61	1	...	...	...	...	...	...	57	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...
20-99 employees...	7	7	...	...	...	...	...	...	...	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Crawford:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	10	...	4	...	...	...	...	3	...	...	...	...	...	...	...
Cumberland:																												
0-19 employees....	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	1	2	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Dauphin:																												
0-19 employees....	43	41	2	...	...	...	...	...	...	37	1	...	...	...	...	...	...	...	2	...	1	...	...	2	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Delaware:																												
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	1	...	...	...	...	5	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Elk:																												
0-19 employees....	52	52	...	...	...	...	...	...	...	...	...	22	1	22	1	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erie:																												
0-19 employees....	14	13	1	...	...	...	...	...	...	...	...	...	...	7	...	2	...	...	...	...	3	1	...	...	...	...	1	...
Fayette:																												
0-19 employees....	68	67	1	...	...	...	...	...	...	...	...	53	1	8	...	1	1	...	1	...	...	...	2	1	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Forest:																												
0-19 employees....	29	28	1	...	...	...	...	...	...	...	...	...	1	24	...	2	...	...	...	...	1	1	...	...	...	...	...	...
Franklin:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Fulton:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Greene:																												
0-19 employees....	61	61	...	...	...	...	...	...	...	...	...	8	2	39	1	10	...	...	...	...	...	...	...	...	...	1	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	106	108[1]	110	110[1]	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Huntingdon:																												
0-19 employees	18	18	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	3	...	...	...	1	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Indiana:																												
0-19 employees	113	113	...	...	...	...	...	...	...	...	...	81	2	14	...	14	...	...	1	...	...	...	1	...	...	...	...	...
20-99 employees	20	20	...	...	...	...	...	...	...	...	...	15	1	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	6	6	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																												
0-19 employees	95	94	1	...	...	...	...	...	...	...	...	62	2	20	...	9	...	...	...	...	...	...	1	1	...	...	...	...
20-99 employees	6	5	1	...	...	...	...	...	...	...	...	2	...	2	...	1	...	...	...	...	...	...	...	1	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Juniata:																												
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	...	...	...	...
Lackawanna:																												
0-19 employees	103	103	...	...	...	...	...	...	...	83	15	...	...	1	...	2	...	...	...	...	1	...	...	...	...	...	1	...
20-99 employees	15	15	...	...	...	...	...	...	1	11	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	4	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	2	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lancaster:																												
0-19 employees	21	18	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	1	2	...	2	2	...	1	1	...
20-99 employees	6	6	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...
Lawrence:																												
0-19 employees	39	32	7	...	...	...	...	...	...	...	...	20	5	3	...	1	...	...	1	1	...	1	...	5	...	1	1	...
20-99 employees	6	5	1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	1	1	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Lebanon:																												
0-19 employees	3	3	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lehigh:																												
0-19 employees	7	3	4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2	2	...	...	...	...	...	...	...	...
20-99 employees	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Luzerne:																												
0-19 employees	88	85	3	...	...	...	...	...	...	65	9	...	1	...	...	1	...	1	2	...	4	...	...	2	...	...	3	...
20-99 employees	44	44	...	...	...	...	...	...	...	28	14	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
100-249 employees	10	10	...	...	...	...	...	...	...	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	6	6	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lycoming:																												
0-19 employees	14	14	...	...	...	...	...	...	...	...	...	5	...	...	...	1	3	...	2	...	...	...	1	...	...	...	2	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
McKean:																												
0-19 employees	236	234	2	...	...	...	...	...	...	...	...	4	1	180	...	48	...	...	...	...	1	...	...	2	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mercer:																												
0-19 employees	21	21	...	...	...	...	...	...	...	...	...	10	...	4	...	...	2	...	1	...	4	...	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mifflin:																												
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Monroe:																												
0-19 employees	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	1	1	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	106	108[1]	110	110[1]	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Montgomery:																												
0-19 employees	20	14	6	...	...	...	...	1	...	...	...	1	...	...	...	...	3	...	9	1	...	...	...	5	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Montour:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Northampton:																												
0-19 employees	10	6	4	...	...	...	...	...	...	2	...	...	...	...	...	...	2	1	...	2	2	1	...	...	...	...	...	...
20-99 employees	21	3	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	3	8	...	...	...	...	...	...	...	...
Northumberland:																												
0-19 employees	288	285	3	...	...	...	...	...	...	278	5	...	...	...	...	...	...	...	1	...	1	1	...	2	...	...	...	...
20-99 employees	10	10	...	...	...	...	...	...	...	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perry:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Philadelphia:																												
0-19 employees	6	6	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	1	...	...	...
20-99 employees	2	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Pike:																												
0-19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Potter:																												
0-19 employees	18	16	2	...	...	...	...	...	...	...	...	...	...	10	...	2	4	2	...	...	...	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Schuylkill:																												
0-19 employees	530	529	1	...	...	...	...	...	...	505	21	...	...	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...
20-99 employees	35	35	...	...	...	...	...	...	...	23	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	15	15	...	...	...	...	...	...	...	10	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	4	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Snyder:																												
0-19 employees	7	5	2	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...
Somerset:																												
0-19 employees	174	170	4	...	...	...	...	...	...	...	...	148	11	2	...	4	1	...	1	1	2	2	1	1	...	...	...	...
20-99 employees	10	10	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sullivan:																												
0-19 employees	6	6	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Susquehanna:																												
0-19 employees	13	6	7	...	...	...	...	...	...	1	1	...	...	...	...	...	2	7	2	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Tioga:																												
0-19 employees	10	10	...	...	...	...	...	...	...	...	...	5	2	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Union:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Venango:																												
0-19 employees	100	100	...	...	...	...	...	...	...	...	...	7	4	77	1	7	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees	6	6	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Warren:																												
0-19 employees	58	58	...	...	...	...	...	...	...	...	...	...	...	49	1	7	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees	83	80	3	...	...	...	...	...	...	...	...	39	2	27	...	9	2	...	1	...	...	...	...	3	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	9	9	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	106	108[1]	110	110[1]	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Wayne:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	2	3	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Westmoreland:																												
0-19 employees....	120	118	2	...	...	...	...	...	...	...	...	72	2	20	...	18	3	1	2	...	1	...	...	1	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	6	...	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wyoming:																												
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
York:																												
0-19 employees....	11	7	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	1	2	1	...	2	...	...	1	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	126	126	...	...	...	...	...	...	...	...	...	...	...	78	...	48	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

RHODE ISLAND

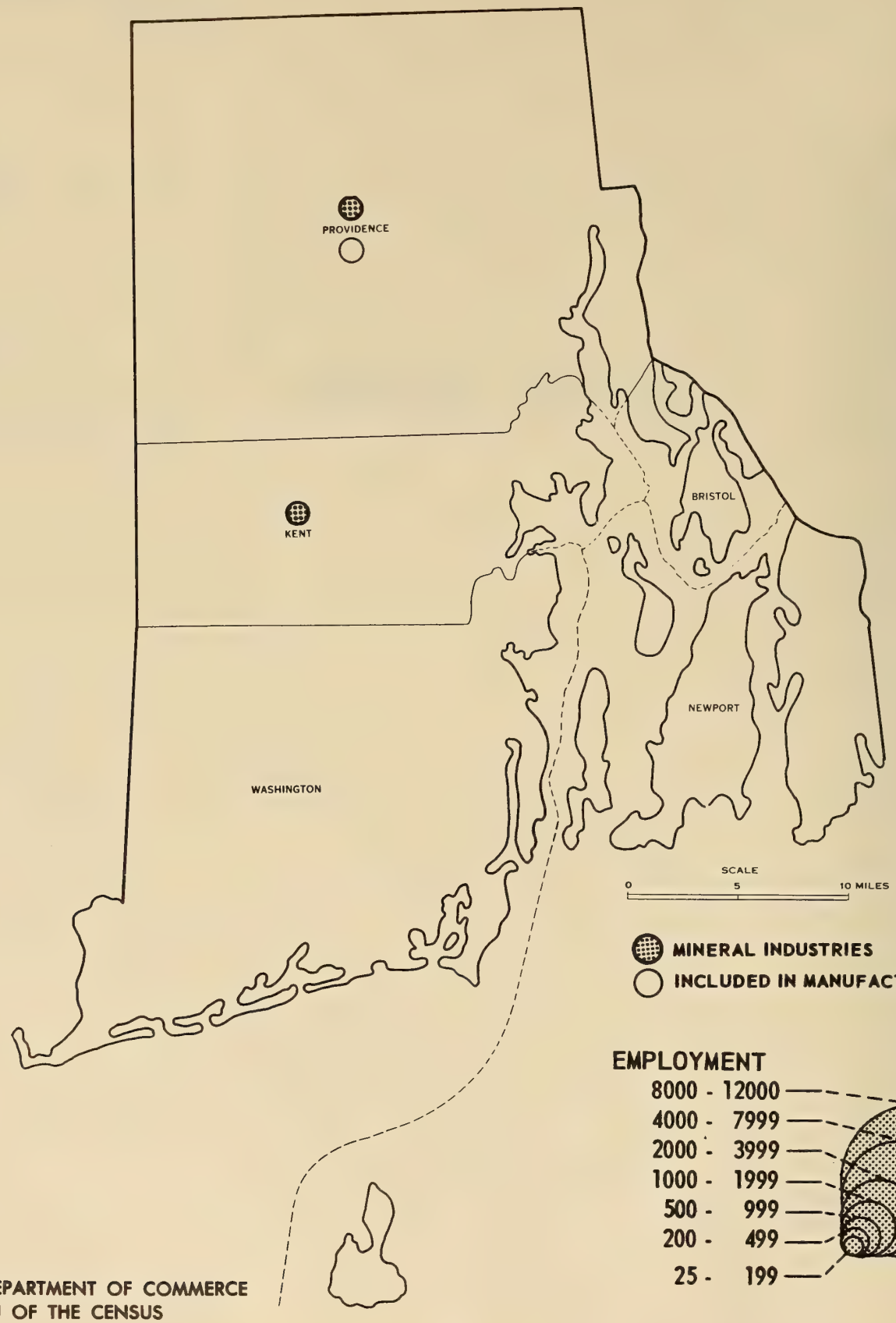
36-1

EMPLOYMENT IN MINING BY COUNTY: 1958

RHODE ISLAND

RANK AMONG STATES

EMPLOYMENT - 47
VALUE OF SHIPMENTS - 48



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	18	3	147	583	117	218	452	1,377	258	...	56	161	1,630	222	29	248
1954	20	3	163	565	140	274	461	1,109	372	...	21	166	1,447	221	26	186
Including operations in manufactures:																
1958	22	4	212	897	174	322	704	r1,863	r2498	(2)	r 256	r 3161	2,382	r 3222	r 329	r167
1954[4]	21	3	163	565	140	274	461	1,109	372	...	21	166	1,447	221	26	186
1939	[5]21	(NA)	248	323	212	435	262	623	203	(NA)	2	(NA)	828	(NA)	25	118
1929	14	(NA)	290	455	256	(NA)	385	590	217	(NA)	2	17	809	(NA)	43	168
1919[6]	14	(NA)	415	483	369	(NA)	400	758	203	...	1	(NA)	962	(NA)	[7]50	136
1909[6]	21	(NA)	707	468	665	(NA)	410	740	158	...	...	(NA)	898	(NA)	(NA)	(NA)
1902[8]	[5]22	(NA)	723	491	[9]667	(NA)	435	690	85	(NA)	...	(NA)	775	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For sand and gravel mining operations in manufacturing establishments includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]For dimension stone and sand and gravel mining operations in manufacturing establishments, the cost of minerals received for preparation and the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for dimension stone and sand and gravel mining operations in manufacturing establishments.

[4]Except for number of establishments, excludes data for one dimension granite operation classified in the manufacturing industries. Excludes data for any sand and gravel mining operations in manufacturing establishments.

[5]Represents number of mines and quarries.

[6]Excludes data for sand and gravel mining operations and any stone quarries operated as parts of lime plants. There were 2 such sand and gravel establishments in 1929.

[7]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used.

[8]Excludes data for sand and gravel mining operations. May include lime plants producing lime valued at not more than $73 thousand.

[9]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

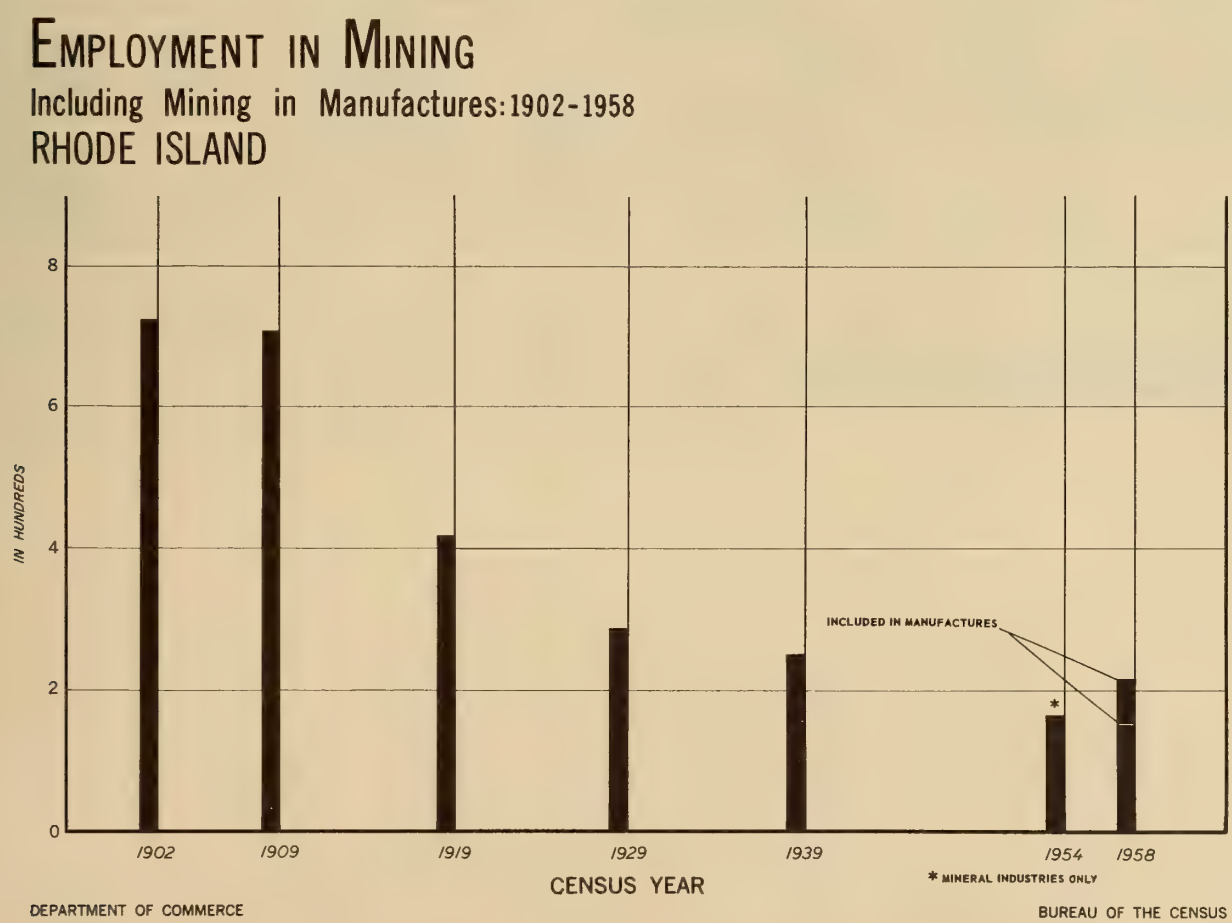


Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	22	4	212	897	174	322	704	r1,863	r [1]767	[2]2,382	[3]248	(NA)	(NA)
	Mineral industries	18	3	147	583	117	218	452	1,377	475	1,630	222	163	1,109
	Included in manufactures	4	1	[2]65	[2]314	[2]57	104	252	r486	r [1]292	[2]752	[3]26	(NA)	(NA)
1441	Sand and gravel (mineral industry only)	13	2	105	441	88	168	356	1,116	400	1,322	194	87	795

NA Not available. rRevised.
[1]For sand and gravel mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[2]For sand and gravel mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.
[3]Excludes figures for sand and gravel mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	475	258	...	56	161	222	3	219	xxx	xxx	xxx	xxx
1441	Sand and gravel	400	191	...	56	153	194	3	191	1,219	[3]1,316	44	([3])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for the value of primary products shipped in other industries are included with those for value of primary products shipped in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments....	18	18	5	...	3	2	13	...	12	1	...	...
	Number of employees.....	147	147	10	...	(D)	(D)	137	...	(D)	(D)	...	...
	Value added in mining.....$1,000..	1,377	1,377	99	...	(D)	(D)	1,278	...	(D)	(D)	...	...
1441	Sand and gravel:												
	Number of establishments.....	13	13	5	...	3	2	8	...	7	1	...	...
	Number of employees.....	105	105	10	...	(D)	(D)	95	...	(D)	(D)	...	...
	Value added in mining...$1,000..	1,116	1,116	99	...	(D)	(D)	1,017	...	(D)	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents establishments for which the method of mining was not specified.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	RHODE ISLAND:													
	All mineral operations.....	22	4	212	897	174	322	704	r1,863	r 1767	[2]2,382	[3]248	(NA)	(NA)
	Mineral industries.....	18	3	147	583	117	218	452	1,377	475	1,630	222	163	1,109
	Included in manufactures..	4	1	[2]65	[2]314	[2]57	104	252	r486	r 1292	[2]752	[3]26	(NA)	(NA)
	COUNTIES													
14	Kent and Newport.....	5	1	53	226	47	87	199	520	150	573	97	49	357
14	Providence (mineral industries only).....	13	2	94	357	70	131	253	857	325	1,057	125	71	488

NA Not available. rRevised.
[1]For sand and gravel mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[2]See table 2A, footnote 2.
[3]Excludes figures for sand and gravel mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and liguite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries	Included in manufactures	101	102	103	104	105	106	108	109	120	12C	131	132	138	141	141M	142	142M	144	144M	145	145M	147	148	149	149M
Rhode Island, total.	22	18	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	4	...	13	2	...	...	...	...	1	...
1-4 employees.....	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	7	1	...	...	...	...	...	...
5-9 employees.....	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	3	1	...	...	...	...	1	...
10-19 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
20-49 employees...	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	...
Kent:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Newport:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Providence:																												
0-19 employees....	12	11	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	8	1	...	...	...	...	1	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...

SOUTH CAROLINA

37-1

EMPLOYMENT IN MINING BY COUNTY: 1958

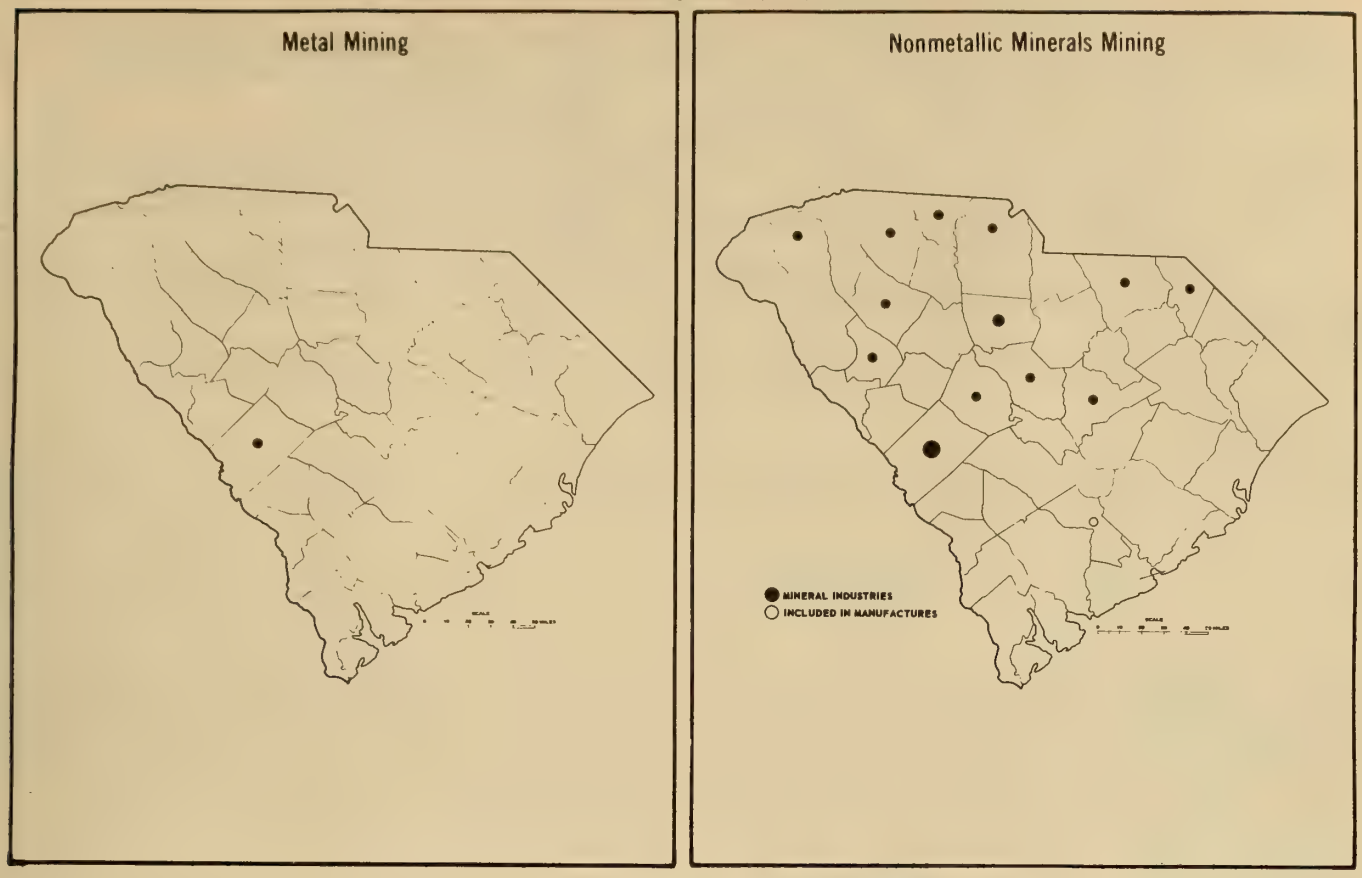
SOUTH CAROLINA



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN SOUTH CAROLINA

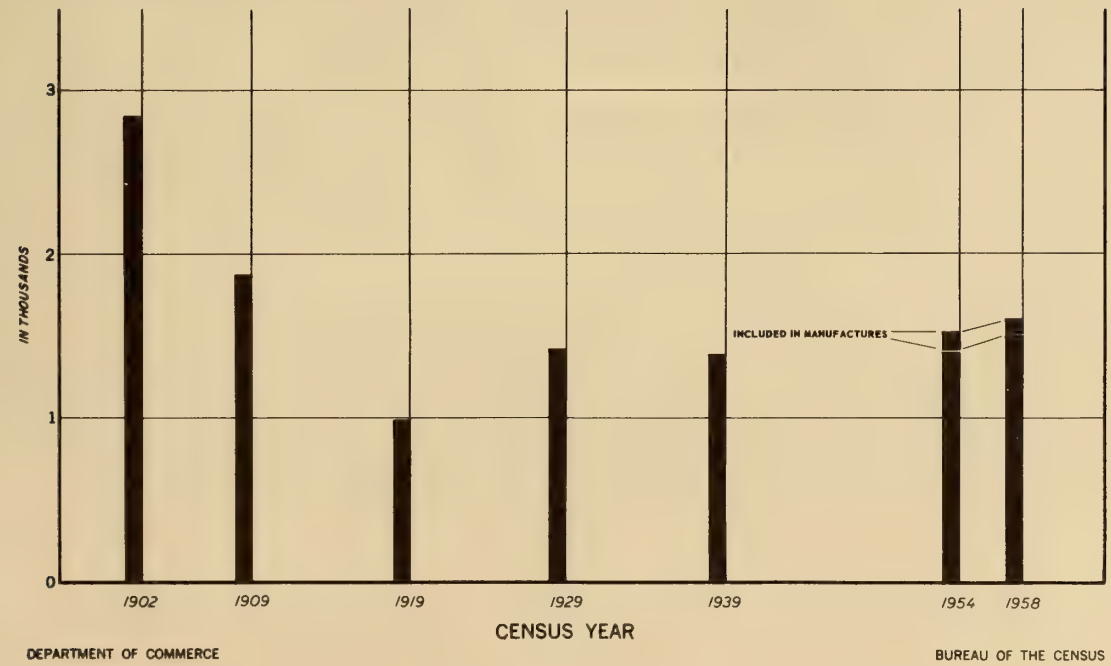
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

SOUTH CAROLINA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	65	21	1,513	5,263	1,272	2,613	4,020	13,090	[2]5,807	([2])	160	1,480	18,687	1,850	[r]282	[r]222
1954	56	18	1,422	4,095	1,276	2,909	3,330	10,097	3,231	4	168	1,298	12,852	1,946	288	226
Including operations in manufactures:																
1958	86	22	1,591	5,546	1,350	2,768	4,303	14,499	[2]6,052	([2])	[2]160	[3]1,480	20,341	[3]1,850	[3]282	[r]209
1954[4]	72	19	1,518	4,356	1,372	3,102	3,591	11,229	[2]3,431	4	[2]168	[3]1,298	14,184	[3]1,946	[3]288	210
1939[5]	[6]46	(NA)	1,388	1,064	1,291	2,756	782	2,389	1,010	(NA)	58	(NA)	3,457	(NA)	133	103
1929[7]	33	(NA)	1,416	1,228	1,298	(NA)	930	2,369	716	(NA)	8	153	3,093	(NA)	200	154
1919[8]	20	(NA)	993	820	933	(NA)	680	898	453	...	...	(NA)	1,351	(NA)	[9]322	345
1909[8]	32	(NA)	1,876	708	1,824	(NA)	626	1,003	243	...	7	(NA)	1,253	(NA)	(NA)	(NA)
1902[10]	[6]38	(NA)	2,842	1,019	[11]2,694	(NA)	892	1,492	342	(NA)	...	(NA)	1,834	(NA)	(NA)	(NA)

NA Not available. [r]Revised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, the figures represent net production and exclude this duplication.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. Also for 1958, the cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments.

[5]Excludes data for dimension stone dressing, if any, at one dimension granite quarry and, except for number of establishments, excludes data for 2 mining services operations.

[6]Represents number of mines and quarries and, for mining services industries, number of operating companies.

[7]Excludes data for common clay and shale mining operations. There were 12 such mines in 1939, with products valued at $75 thousand.

[8]Excludes data for sand and gravel mining operations and for stone quarries operated as parts of cement and lime plants, if any. In 1929, there were 6 such sand and gravel establishments, with products valued at less than $395 thousand and no such stone quarries. See also footnote 7.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used.

[10]Excludes data for common clay and shale and sand and gravel mining operations and for one nonproducing operation. May include data for one lime plant.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	86	22	1,591	5,546	1,350	2,768	4,303	14,499	[2]7,692	[3]20,341	(NA)	1,518	11,229
	Mineral industries	65	21	1,513	5,263	1,272	2,613	4,020	13,090	7,447	18,687	1,850	1,422	10,097
	Included in manufactures	21	1	[3]78	[3]283	[3]78	155	283	1,409	[2]245	[3]1,654	(NA)	[3]96	1,132
1421	Crushed and broken stone (mineral industry only)	10	9	510	1,643	466	989	1,455	4,176	3,062	6,722	516	(NA)	(NA)
	Sand and gravel	35	3	[3]307	[3]1,129	[3]270	541	952	3,343	[2]1,824	[3]4,328	(NA)	(NA)	(NA)
1441	Mineral industry	32	3	304	1,111	267	535	934	3,246	1,820	4,227	839	323	2,182
	Clay and related minerals:													
1455	Kaolin and ball clay	7	5	389	1,422	339	691	1,074	3,152	1,680	4,608	224	[4]413	[4]3,009
	Clay and related minerals, nec	16	1	[3]105	[3]327	[3]101	209	288	1,133	[2]285	[3]1,402	[5]16	[3]117	(NA)

NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[4]Excludes data for 2 kaolin and ball clay mining operations in manufacturing establishments.
[5]Excludes data for mining operations in manufacturing establishments.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	7,447	[3]5,807	([3])	160	1,480	1,850	167	1,683	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	3,062	2,486	...	103	473	516	...	516	[4]4,869	6,722	([4])	...
1441	Sand and gravel	1,820	1,165	...	52	603	839	5	834	3,952	[5]4,085	7	([5])
	Clay and related minerals:												
1455	Kaolin and ball clay	1,680	1,472	...	...	208	224	76	148	344	4,607	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for minerals received for preparation are included with those for cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Figures for stone produced and used in the same manufacturing establishment are included with those for stone shipped in the specified industry.
[5]Figures for primary products shipped in other industries are included with those for primary products shipped in the specified industry.

Table 2C.–Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	64	60	14	...	9	5	45	...	37	8	1	4
	Number of employees	[2]1,513	[2]1,506	(D)	...	(D)	8	1,394	...	1,296	98	(D)	7
	Value added in mining, $1,000	[2]13,090	[2]13,100	(D)	...	(D)	101	12,380	...	10,986	1,394	(D)	([3])
1421	Crushed and broken stone:												
	Number of establishments	10	10	...	...	...	...	10	...	10	...	...	...
	Number of employees	510	510	...	...	...	...	510	...	510	...	...	...
	Value added in mining, $1,000	4,176	4,176	...	...	...	...	4,176	...	4,176	...	...	...
1441	Sand and gravel:												
	Number of establishments	32	30	10	...	5	5	20	...	12	8	...	2
	Number of employees	304	(D)	(D)	...	29	(D)	261	...	163	98	...	(D)
	Value added in mining, $1,000	3,246	(D)	(D)	...	210	(D)	2,867	...	1,473	1,394	...	(D)
1455	Kaolin and ball clay:												
	Number of establishments	7	7	...	...	...	...	7	...	7	...	...	...
	Number of employees	389	389	...	...	...	...	389	...	389	...	...	...
	Value added in mining, $1,000	3,152	3,152	...	...	...	...	3,152	...	3,152	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 4 sand and gravel establishments for which the method of mining was unspecified.
[2]Includes data for one mining services operation.
[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	SOUTH CAROLINA:													
	All mineral operations	86	22	1,591	5,546	1,350	2,768	4,303	14,499	[3]7,692	[4]20,341	(NA)	1,518	11,229
	Mineral industries	65	21	1,513	5,263	1,272	2,613	4,020	13,090	7,447	18,687	1,850	1,422	10,097
	Included in manufactures	21	1	[4]78	[4]283	[4]78	155	283	1,409	[3]245	[4]1,654	(NA)	[4]96	1,132
	COUNTIES													
	Aiken (mineral industries only)	11	6	443	1,643	380	766	1,230	3,608	1,979	5,133	454	459	3,382
145	Clay and related minerals (mineral industries only)	7	5	389	1,422	339	691	1,074	3,152	1,680	4,608	224	413	3,009
	Cherokee (including operations in manufactures)	4	1	[4]58	[4]139	[4]53	106	118	386	[3]274	[4]600	[5]60	[6]57	[6]450
14	Fairfield (mineral industries only)	3	3	150	490	132	250	413	879	(D)	1,442	(D)	(NA)	(NA)
	Florence (including operations in manufactures)	4	...	[4]21	[4]59	[4]20	26	57	362	(D)	[4]379	(D)	(NA)	(NA)
14	Kershaw	4	...	11	28	11	17	28	127	(D)	64	(D)	(NA)	(NA)
14	Lexington	7	1	123	378	116	244	338	991	458	1,378	71	129	625

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and receipts for services by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
South Carolina, total	86	65	21	...	...	...	...	...	...	...	3	...	...	...	...	...	3	...	10	1	32	3	8	17	1	1	7	...
No employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	2	...
1-4 employees	36	21	15	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	16	2	...	13	...	1	2	...
5-9 employees	10	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	5	...	1	2	...	...	1	...
10-19 employees	13	12	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	7	...	1	1	1	...	1	...
20-49 employees	11	10	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	4	1	2	...	3	...	...	...	...	...
50-99 employees	8	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	1	...	1	...	...	...	...	...
100-249 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...
COUNTIES																												
Aiken:																												
0-19 employees	6	5	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	2	1	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Anderson:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Charleston:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Chesterfield:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Colleton:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Dorchester:																												
0-19 employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	2	...	...	...	...
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Fairfield:																												
0-19 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...
Florence:																												
0-19 employees	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...
Georgetown:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Greenville:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Greenwood:																												
0-19 employees	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...	...
Horry:																												
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Jasper:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Kershaw:																												
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...	...
Lancaster:																												
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...

[1]See table 3, footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Laurens:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Lexington:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marion:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Marlboro:																												
0-19 employees....	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pickens:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Richland:																												
0-19 employees....	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Saluda:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Spartanburg:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sumter:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Union:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
York:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...

[1]See table 3, footnote 2.

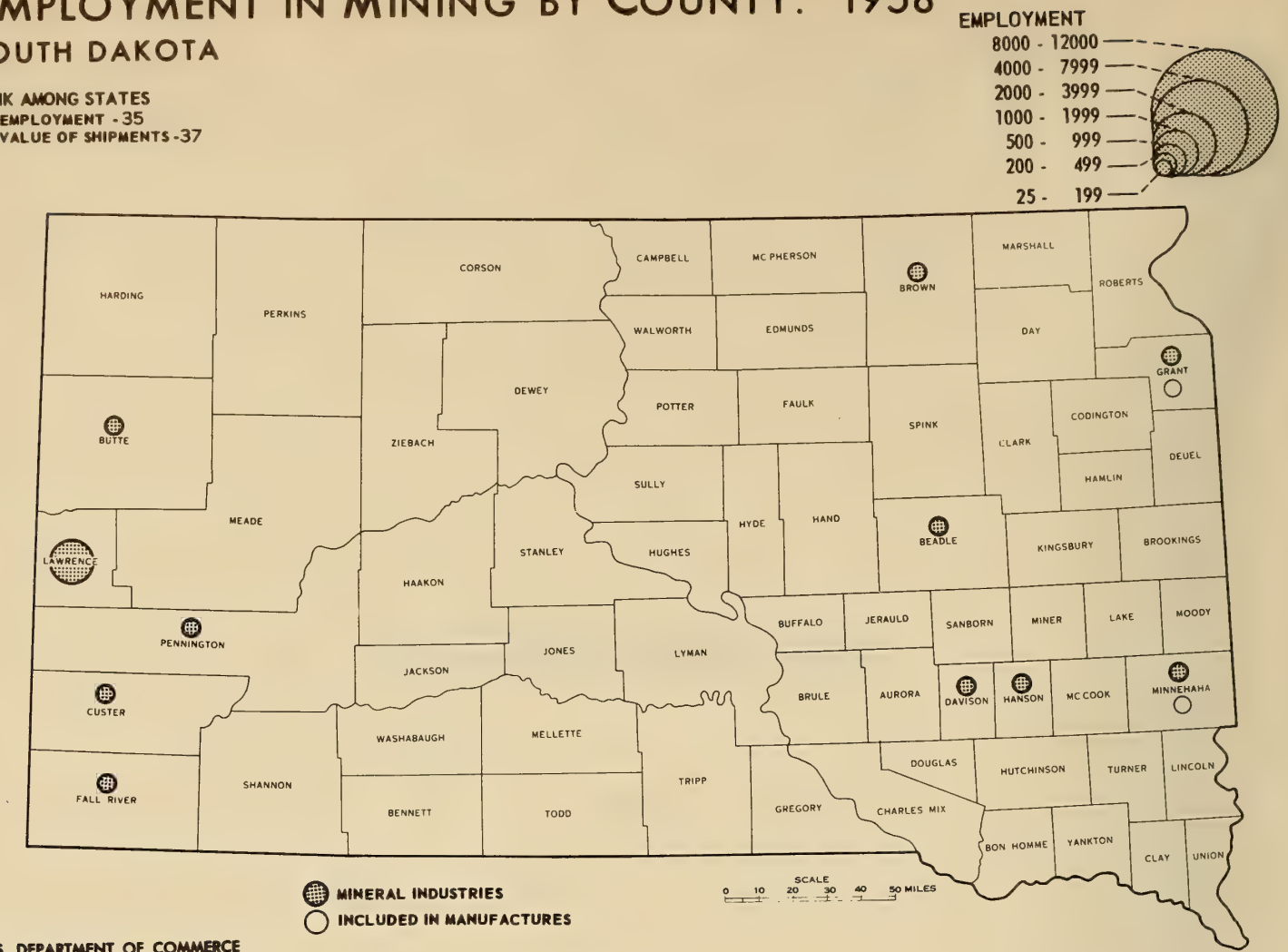
SOUTH DAKOTA

38-1

EMPLOYMENT IN MINING BY COUNTY: 1958

SOUTH DAKOTA

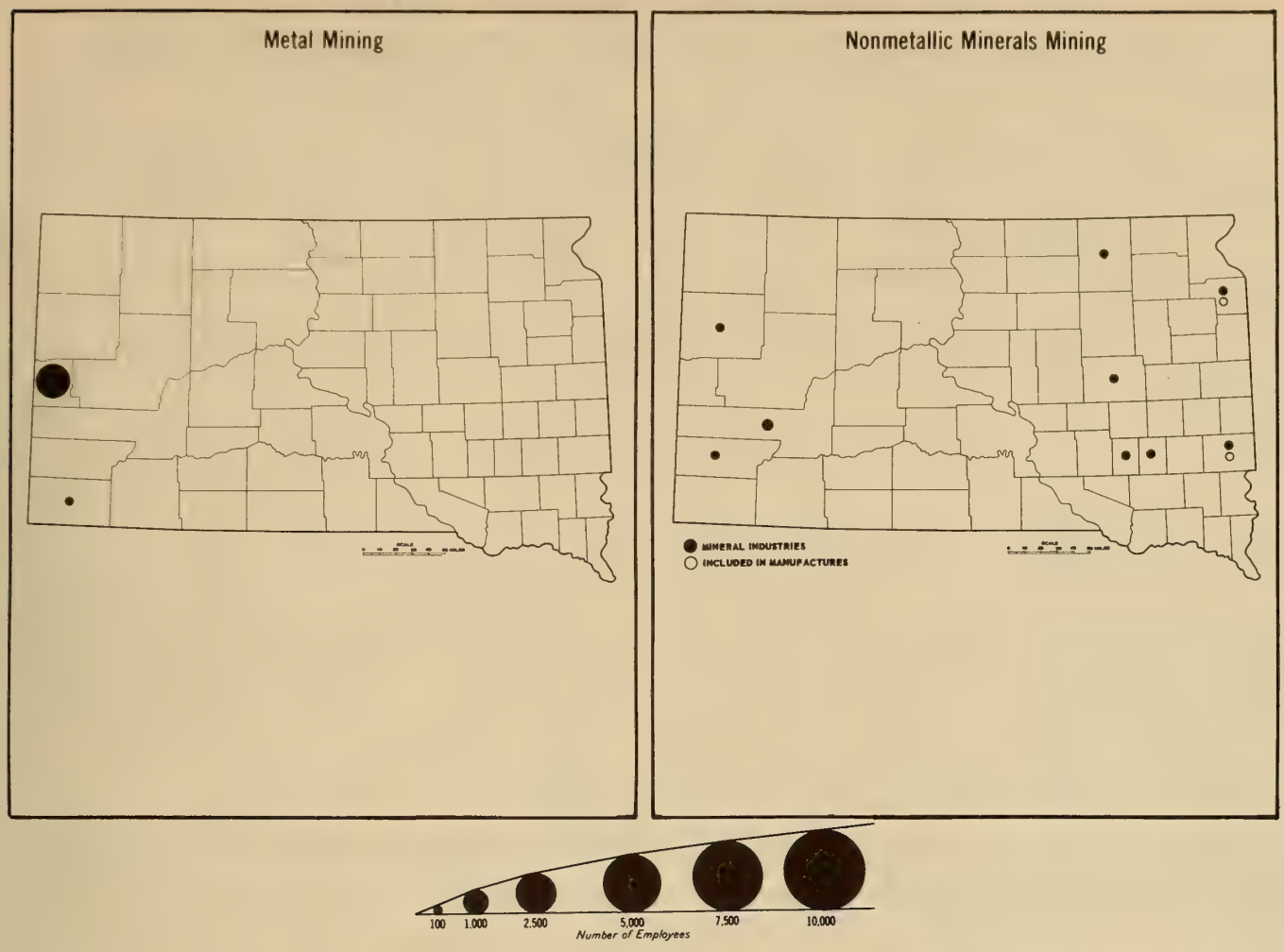
RANK AMONG STATES
EMPLOYMENT - 35
VALUE OF SHIPMENTS - 37



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN SOUTH DAKOTA

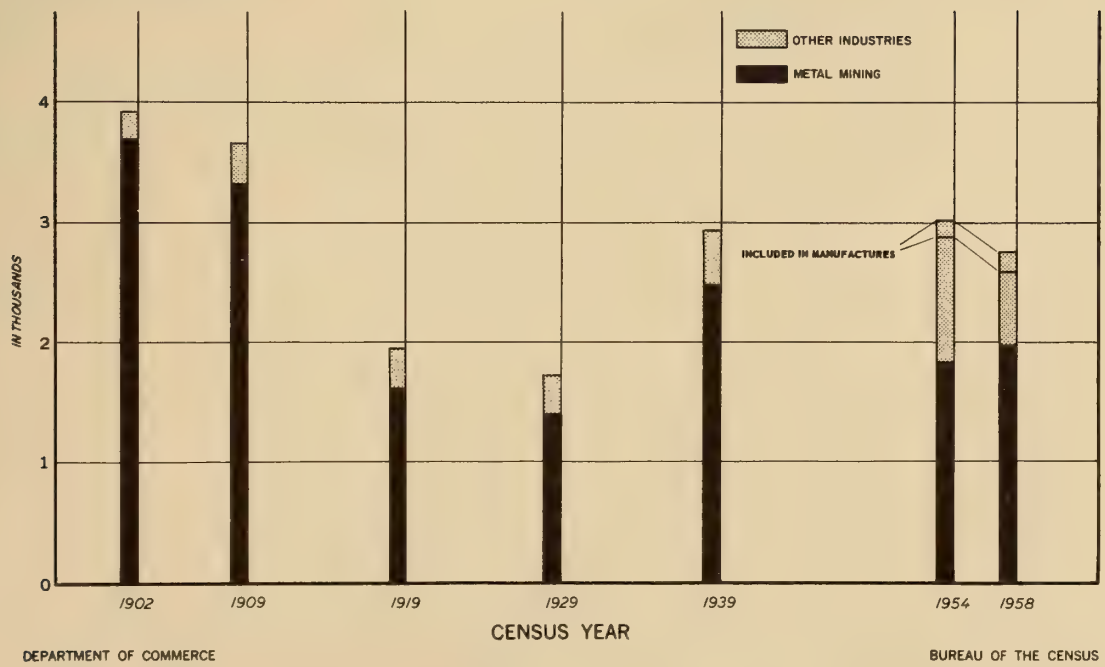
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

SOUTH DAKOTA



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	133	13	2,569	12,630	2,215	4,615	10,667	25,145	[2]9,970	([2])	782	1,529	34,898	2,528	r484	r219
1954	187	23	2,870	11,749	2,497	5,651	9,936	[2]22,419	7,545	592	2,269	2,101	31,314	3,536	759	304
Including operations in manufactures:																
1958	142	16	2,742	13,322	2,378	4,951	11,258	26,256	[2 3]10,505	([2])	[3]782	[4]1,583	36,544	[4]2,582	r [4]489	r206
1954[5]	191	25	3,001	12,254	2,606	5,872	10,321	[2]23,333	[3]7,780	592	[3]2,273	[4]2,114	32,454	[4]3,562	[4]766	294
1939[6]	[7]59	(NA)	2,922	5,542	2,647	5,988	4,690	20,689	2,172	(NA)	21	(NA)	22,882	(NA)	557	210
1929[8]	42	(NA)	1,713	3,061	1,586	(NA)	2,647	5,955	1,664	(NA)	1	37	7,620	(NA)	353	223
1919[9]	28	(NA)	1,942	2,820	1,854	(NA)	2,597	3,932	1,361	...	22	(NA)	5,315	(NA)	[10]362	195
1909[9]	55	(NA)	3,659	3,534	3,553	(NA)	3,309	4,866	1,499	55	12	(NA)	6,432	(NA)	(NA)	(NA)
1902[11]	[7]185	(NA)	3,919	4,313	[12]3,653	(NA)	3,956	4,602	2,159	(NA)	8	(NA)	6,769	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication. For 1954, excludes data for the Uranium-Radium-Vanadium Ores Industry.

[2]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity. For value added in mining, excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, and for dimension stone mining operations in manufactures for 1958, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing granite and sandstone at such operations was $197 thousand; this value has been included in the value of shipments and value added in mining.

[7]Represents number of mines and quarries and, for crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for operations in the crude petroleum and natural gas extraction industries and for common clay and shale operations, if any. Includes data for one establishment in North Dakota.

[9]Excludes data for sand, gravel, common clay, and shale mining operations, if any.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to less than one percent of the total kwh equivalent of energy used.

[11]Includes data for lime plants producing lime valued at $21 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	142	16	2,742	13,322	2,378	4,951	11,258	26,256	[2]12,870	[3]36,544	[4]2,582	3,001	[5]23,333
	Mineral industries	133	13	2,569	12,630	2,215	4,615	10,667	25,145	12,281	34,898	2,528	2,870	[5]22,419
	Included in manufactures	9	3	[3]173	[3]692	[3]163	336	591	1,111	[2]589	[3]1,646	[4]54	[3]131	914
10	Metal mining	38	3	1,973	10,026	1,696	3,524	8,567	17,940	8,879	25,928	891	1,819	[5]15,570
1042	Gold and silver ores (Lode gold)	4	2	1,850	9,408	1,590	3,285	8,060	15,803	4,571	20,062	312	1,771	15,439
109	Miscellaneous metal ores:													
1094	Uranium-radium-vanadium ores	15	1	111	586	95	218	476	2,033	4,268	5,768	533	37	(NA)
12 13	Lignite mining and Oil and gas extraction	15	...	13	52	11	25	45	97	361	256	202	87	([6])
	Nonmetallic minerals mining	89	13	756	3,244	671	1,402	2,646	8,219	[2]3,630	[3]10,360	[3]1,489	1,095	8,915
14	Mineral industries	80	10	583	2,552	508	1,066	2,055	7,108	3,041	8,714	1,435	964	8,001
	Included in manufactures	9	3	[3]173	[3]692	[3]163	336	591	1,111	[2]589	[3]1,646	[3]54	[3]131	914
	Dimension stone	6	3	152	624	141	293	521	1,235	618	1,798	55	194	1,192
	Included in manufactures	3	2	123	537	113	238	436	816	550	1,312	54	63	286
1421	Crushed and broken stone (mineral industry only)	9	3	147	650	116	243	516	2,075	591	2,416	250	203	1,491
	Clay and related minerals:													
1456	Feldspar	15	1	47	131	42	81	125	438	360	518	280	74	502

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[6]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the sum of value of shipments and capital expenditures.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	12,281	[3]9,970	([3])	782	1,529	2,528	320	2,208	xxx	xxx	xxx	xxx
10	Metal mining.....	8,879	[3]7,587	([3])	429	863	891	102	789	xxx	xxx	xxx	xxx
1042	Lode gold.....	4,571	4,129	...	5	437	312	...	312	[4]1,824	20,062	(NA)	...
1094	Uranium-radium-vanadium ores...	4,268	[3]3,432	([3])	414	422	533	85	448	[4]37	(D)	...	...
12, 13	Lignite mining and Oil and gas extraction.....	361	165	...	176	20	202	181	21	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	3,041	[3]2,218	([3])	177	646	1,435	37	1,398	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for cost of minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents crude ore mined.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	132	116	67	12	48	7	47	2	41	4	2	16
	Number of employees	[2]2,569	(D)	[2]131	[2]44	78	[2]9	(D)	(D)	505	104	(D)	(D)
	Value added in mining...$1,000	[2]25,145	(D)	[2]1,637	[2]466	959	[2]212	(D)	(D)	6,031	457	(D)	(D)
10	**Metal mining:**												
	Number of establishments	38	32	29	9	19	1	2	1	...	1	1	6
	Number of employees	1,973	1,961	(D)	40	11	(D)	(D)	(D)	...	(D)	(D)	12
	Value added in mining...$1,000	17,940	17,912	(D)	350	142	(D)	(D)	(D)	...	(D)	(D)	28
1042	Lode gold:												
	Number of establishments	4	2	...	...	...	...	2	1	...	1	...	2
	Number of employees	1,850	(D)	...	...	...	...	(D)	(D)	...	(D)	...	(D)
	Value added in mining...$1,000	15,803	(D)	...	...	...	...	(D)	(D)	...	(D)	...	(D)
1094	Uranium-radium-vanadium ores:												
	Number of establishments	15	13	12	9	2	1	...	...	...	...	1	2
	Number of employees	111	(D)	(D)	40	(D)	(D)	...	...	...	...	(D)	(D)
	Value added in mining...$1,000	2,033	(D)	(D)	350	(D)	(D)	...	...	...	...	(D)	(D)
12 13	Lignite mining and Oil and gas extraction:												
	Number of establishments	14	5	3	1	...	2	2	...	2	...	...	9
	Number of employees	[2]13	(D)	(D)	(D)	...	(D)	(D)	...	(D)	...	...	(D)
	Value added in mining...$1,000	[2]97	(D)	(D)	(D)	...	(D)	(D)	...	(D)	...	...	(D)
14	**Nonmetallic minerals mining:**												
	Number of establishments	80	79	35	2	29	4	43	1	39	3	1	1
	Number of employees	[2]583	(D)	(D)	(D)	67	3	507	(D)	(D)	(D)	(D)	(D)
	Value added in mining...$1,000	[2]7,108	(D)	(D)	(D)	817	42	6,107	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for mining services operations.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	SOUTH DAKOTA:													
	All mineral operations	142	16	2,742	13,322	2,378	4,951	11,258	26,256	[3]12,870	[4]36,544	[5]2,582	3,001	[6]23,333
	Mineral industries	133	13	2,569	12,630	2,215	4,615	10,667	25,145	12,281	34,898	2,528	2,870	[6]22,419
	Included in manufactures	9	3	[4]173	[4]692	[4]163	336	591	1,111	[3]589	[4]1,646	[5]54	[4]131	914
	COUNTIES													
	Custer (mineral industries only)	28	1	59	171	54	108	165	671	407	753	325	72	[6]515
	Fall River	18	1	112	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[7]17	(NA)
	Grant (including operations in manufactures)	6	3	152	624	141	293	521	1,235	618	1,798	55	[8]67	[8]307
104	Lawrence	4	2	1,850	9,408	1,590	3,285	8,060	15,803	4,571	20,062	312	1,790	15,541
	Meade	3	...	6	17	6	10	16	41	75	82	34	(NA)	(NA)
	Minnehaha (including operations in manufactures)	5	2	[4]92	[4]513	[4]74	130	285	1,177	[3]84	[4]1,261	(NA)	[4]102	854
	Pennington	27	3	172	744	146	321	655	1,737	646	2,163	220	355	2,126
14	Nonmetallic minerals mining	14	3	161	717	136	304	629	1,673	613	2,103	183	(NA)	(NA)
13	Undistributed	15	...	45	241	(NA)	(NA)	(NA)	(NA)	(NA)	260	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field and other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and receipts for services by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[7]Excludes data for Oil and Gas Field Services operations.
[8]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
South Dakota, total.	142	133	9	...	...	...	4	...	1	...	33	3	...	11	...	1	3	3	9	1	42	4	17	1	...	...	9	...
No employees.....	47	47	...	...	...	...	...	...	...	...	19	2	...	10	...	1	...	...	...	...	10	...	2	...	...	...	3	...
1-4 employees.....	56	52	4	...	...	...	2	...	1	...	9	...	...	1	...	...	1	...	3	...	18	3	12	1	...	...	5	...
5-9 employees.....	14	12	2	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	1	1	8	...	...	...	...	...	1	...
10-19 employees...	9	9	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	2	...	2	...	1	...	...	...	...	...
20-49 employees...	10	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	3	...	3	1	1	...	...	...	...	...
50-99 employees...	5	4	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...
1,000 employees and over.....	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Aurora:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Beadle:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Brookings:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Brown:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Butte:																												
0-19 employees....	6	5	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...	...	1	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Campbell:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Charles Mix:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Codington:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Corson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Custer:																												
0-19 employees....	28	27	1	...	...	...	...	...	...	...	5	...	...	...	...	1	...	...	2	1	...	...	13	...	...	...	6	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Davison:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Day:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Dewey:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Douglas:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Fall River:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	12	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...
Gregory:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Hanson:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Harding:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hughes:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Hutchinson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Kingsbury:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Lake:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lawrence:																												
0-19 employees....	2	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Meade:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Minnehaha:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Moody:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Pennington:																												
0-19 employees....	24	24	...	...	...	...	...	...	1	...	12	...	...	...	...	...	...	...	2	...	4	...	2	...	...	...	3	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Roberts:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Sanborn:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Shannon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Turner:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Walworth:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	10	...	5	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

TENNESSEE

39-1

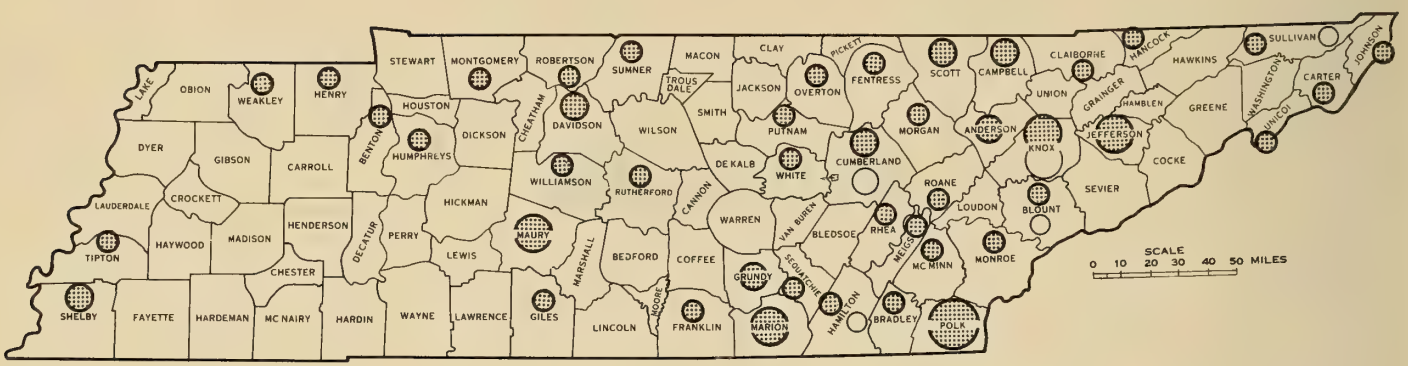
EMPLOYMENT IN MINING BY COUNTY: 1958

TENNESSEE

RANK AMONG STATES
EMPLOYMENT - 21
VALUE OF SHIPMENTS - 26

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES

EMPLOYMENT
8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

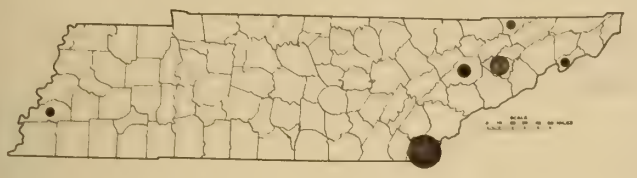


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN TENNESSEE

Employment For Industry Group By County: 1958

Metal Mining

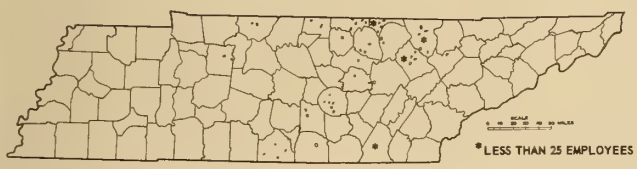


Coal Mining



General Extent of Coal Fields – – – – – –

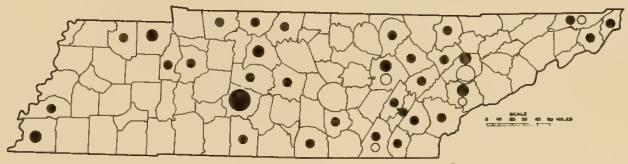
Oil and Gas Extraction



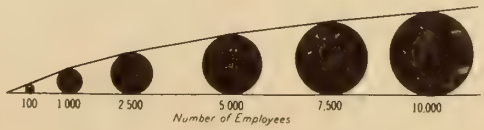
*LESS THAN 25 EMPLOYEES

General Extent of Oil and Gas Fields – – – –

Nonmetallic Minerals Mining



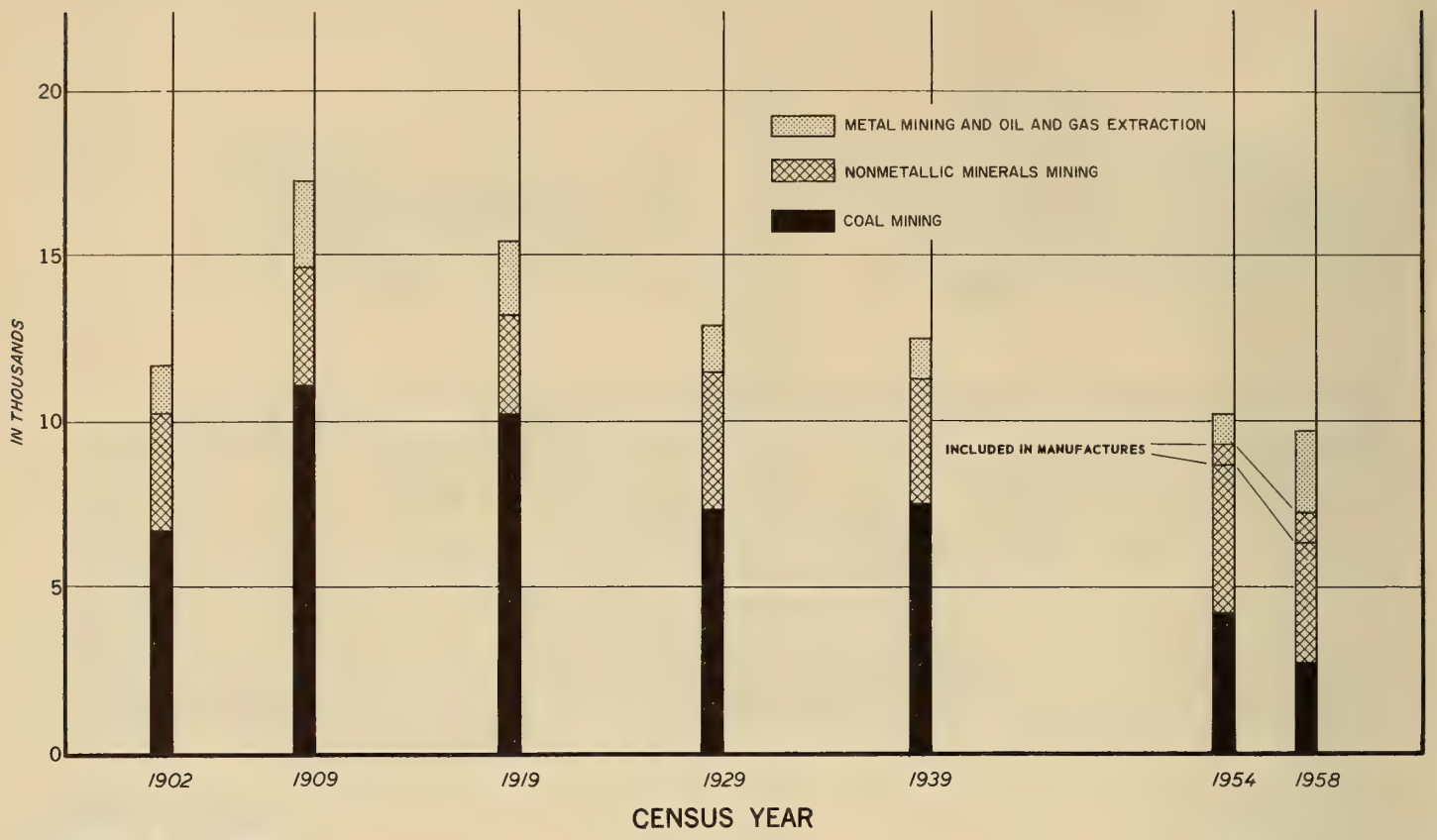
● MINERAL INDUSTRIES
○ INCLUDED IN MANUFACTURES



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

TENNESSEE



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	533	94	8,744	32,646	7,514	13,845	26,774	68,559	[2]37,645	([2])	3,231	5,868	106,763	8,540	r1,939	r258
1954	665	105	9,576	30,196	8,839	16,291	26,368	61,108	18,475	1,045	3,736	5,511	82,815	7,060	1,116	126
Including operations in manufactures:																
1958	562	106	9,692	35,585	8,411	15,571	29,411	76,001	r[2 3]39,212	([2])	r[3]3,234	[3]5,985	115,754	[4]8,678	r[4]1,955	r232
1954[5]	692	112	10,181	32,037	9,416	17,412	28,044	65,241	[3]19,594	1,236	[3]3,741	[3]5,543	88,267	[4]7,088	[4]1,122	119
1939[6]	[7]266	(NA)	12,462	11,945	11,723	19,578	10,459	18,435	4,160	(NA)	89	(NA)	22,684	(NA)	1,421	121
1929[8]	163	(NA)	12,851	12,916	11,989	(NA)	10,977	19,592	4,451	(NA)	143	1,119	24,186	(NA)	1,681	140
1919[9]	203	(NA)	15,383	14,625	14,470	(NA)	12,987	18,966	4,152	...	174	(NA)	23,292	(NA)	[10]2,330	161
1909[9]	246	(NA)	17,258	8,370	16,398	(NA)	7,378	10,309	2,282	42	60	(NA)	12,693	(NA)	(NA)	(NA)
1902[11]	[7]256	(NA)	11,668	5,530	[12]10,895	(NA)	4,866	8,490	853	(NA)	191	(NA)	9,534	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[6]Except, in part, for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing marble and sandstone at such operations was $551 thousand; this value has been included in the value of shipments and value added in mining. Except in number of establishments, excludes data for one contract service operation and one nonproducing operation.

[7]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for common clay and shale operations, and for oil and gas extraction operations, if any. For 1939, there were 16 common clay and shale mines, with products valued at $137 thousand, and 9 oil and gas extraction operations, with products valued at $45 thousand.

[9]Excludes data for sand, gravel, common clay, and shale operations, and quarries operated as parts of cement and lime establishments. In 1929, there were 20 sand and gravel establishments, with products valued at $2,137 thousand; 5 stone quarries operated as parts of cement plants, with products valued at $467 thousand; and one stone quarry operated as part of a lime plant. For 1919, excludes data for one nonproducing establishment.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used.

[11]Excludes data for sand, gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $236 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954 [1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	562	106	9,692	35,585	8,411	15,571	29,411	76,001	[2]48,431	[3]115,754	[4]8,678	10,181	65,241
	Mineral industries	533	94	8,744	32,646	7,514	13,845	26,774	68,559	46,744	106,763	8,540	9,576	61,108
	Included in manufactures	29	12	[3]948	[3]2,939	[3]897	1,726	2,637	7,442	[2]1,687	[3]8,991	[4]138	[3]605	4,133
10	Metal mining	20	9	2,490	9,808	1,972	3,438	7,584	17,953	10,253	26,472	1,734	918	3,630
1062	Manganese ores	9	1	121	422	101	218	322	613	459	992	80	152	794
12	Bituminous coal mining	281	27	2,688	9,733	2,443	3,544	8,679	16,820	14,834	29,448	2,206	4,142	20,892
1211	Bituminous coal	277	26	2,661	9,628	2,416	3,509	8,574	16,575	14,724	29,123	2,176	4,133	20,837
13	Oil and gas extraction	31	...	19	45	17	21	39	43	169	205	7	24	15
	Nonmetallic minerals mining	230	70	4,495	15,999	3,979	8,568	13,109	41,185	[2]23,175	[3]59,629	[4]4,731	5,097	40,704
14	Mineral industries	201	58	3,547	13,060	3,082	6,842	10,472	33,743	21,488	50,638	4,593	4,492	36,571
	Included in manufactures	29	12	[3]948	[3]2,939	[3]897	1,726	2,637	7,442	[2]1,687	[3]8,991	[4]138	[3]605	4,133
	Dimension stone	36	11	997	2,668	924	1,684	2,312	4,172	1,416	5,237	351	1,024	3,851
	Crushed and broken stone	91	32	1,610	5,644	1,431	3,051	4,826	16,363	[2]9,940	[3]23,733	(NA)	1,541	11,282
1421	Mineral industry	85	28	1,436	4,910	1,257	2,703	4,092	14,246	9,464	21,140	2,570	1,308	8,884
	Included in manufactures	6	4	[3]174	[3]734	[3]174	348	734	2,117	[2]476	[3]2,593	(NA)	[3]233	2,398
	Crushed and broken limestone	81	29	[3]1,516	[3]5,401	[3]1,357	2,906	4,601	15,829	[2]9,701	[3]23,053	[4]2,477	[3]1,476	11,055
	Mineral subindustry	75	25	1,342	4,667	1,183	2,558	3,867	13,712	9,225	20,460	2,477	1,243	8,657
	Sand and gravel	49	12	[3]658	[3]2,562	[3]586	1,656	2,108	6,282	[2]2,866	[3]8,140	[4]1,008	(NA)	(NA)
1441	Mineral industry	45	10	611	2,408	539	1,561	1,954	5,204	2,741	6,937	1,008	762	4,731
145	Clay and related minerals (Mineral industries only)	12	6	332	1,160	277	573	783	3,633	1,445	4,680	398	(NA)	(NA)
1455	Kaolin and ball clay	7	4	222	800	184	383	537	2,916	867	3,455	328	[5]201	[5]1,783
	Clay and related minerals, nec (Including operations in manufactures)	13	2	[3]103	[3]353	[3]90	176	269	1,746	[2]407	[3]2,115	(NA)	[3]74	(NA)
147	Chemical and fertilizer minerals:													
1475	Phosphate rock	18	8	760	3,631	645	1,415	2,838	8,723	6,871	15,302	292	791	9,605

NA Not available.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[2] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5] Excludes data for one mining operation in a manufacturing establishment.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	46,744	[3]37,645	([3])	3,231	5,868	8,540	1,095	7,445	xxx	xxx	xxx	xxx
10	Metal mining.....	10,253	[3]9,317	([3])	545	391	1,734	804	930	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	14,834	8,804	3,111	1,141	1,778	2,206	137	2,069	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	14,724	8,694	3,111	1,141	1,778	2,176	137	2,039	6,304	25,384	...	...
13	Oil and gas extraction.....	169	130	...	30	9	7	7	...	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	21,488	13,545	2,738	1,515	3,690	4,593	147	4,446	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	9,464	6,354	307	583	2,220	2,570	27	2,543	14,838	20,540	[4]2,636	[4]2,960
	Crushed and broken limestone.	9,225	6,225	302	559	2,139	2,477	27	2,450	14,741	19,923	[4]2,080	[4]2,654
1441	Sand and gravel.....	2,741	[3]1,561	([3])	438	742	1,008	17	991	5,878	[5]7,852	[4]836	([5])
147	Chemical and fertilizer minerals:												
1475	Phosphate rock.....	6,871	3,790	2,428	304	349	292	29	263	[6]1,529	13,042	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity.

[4]Includes minerals produced and used in the same establishment. The value of such minerals was estimated.

[5]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. Includes the estimated value of minerals produced and used in the same manufacturing establishment.

[6]Represents thousands of long tons.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	521	497	296	184	92	20	188	36	137	15	13	24
	Number of employees	8,620	8,568	2,383	(D)	(D)	94	6,022	3,094	2,662	266	163	52
	Value added in mining, $1,000	67,794	67,857	13,816	(D)	(D)	1,361	52,815	22,609	27,863	2,343	1,226	[3]
10	Metal mining:												
	Number of establishments	18	17	6	3	3	...	10	4	5	1	1	1
	Number of employees	[4]2,490	(D)	(D)	(D)	(D)	...	(D)	2,113	34	(D)	(D)	(D)
	Value added in mining, $1,000	[4]17,953	(D)	(D)	(D)	(D)	...	(D)	16,087	257	(D)	(D)	(D)
1211	Bituminous coal:												
	Number of establishments	277	276	226	181	36	9	42	25	14	3	8	1
	Number of employees	2,661	(D)	1,551	1,247	229	75	(D)	835	157	(D)	66	2
	Value added in mining, $1,000	16,575	(D)	8,561	5,129	2,232	1,200	(D)	5,424	1,736	(D)	355	[3]
13	Oil and gas extraction:												
	Number of establishments	27	6	6	...	...	6	...	...	...	...	...	21
	Number of employees	9	7	7	...	...	7	...	...	...	...	...	(D)
	Value added in mining, $1,000	[3]	[3]	[3]	...	...	[3]	...	...	...	...	...	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	199	198	58	...	53	5	136	7	118	11	4	1
	Number of employees	[4]3,547	(D)	[4]670	...	[4]658	12	2,816	146	2,471	199	(D)	(D)
	Value added in mining, $1,000	[4]33,743	(D)	[4]4,233	...	[4]4,122	111	28,776	1,098	25,870	1,808	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	85	85	7	...	7	...	77	7	70	...	1	...
	Number of employees	1,436	1,436	(D)	...	(D)	...	1,329	146	1,183	...	(D)	...
	Value added in mining, $1,000	14,246	14,246	(D)	...	(D)	...	13,521	1,098	12,423	...	(D)	...
	Crushed and broken limestone:												
	Number of establishments	75	75	4	...	4	...	71	7	64	...	...	...
	Number of employees	1,342	1,342	46	...	46	...	1,296	146	1,150	...	...	...
	Value added in mining, $1,000	13,712	13,712	403	...	403	...	13,309	1,098	12,211	...	...	...
1441	Sand and gravel:												
	Number of establishments	45	44	11	...	6	5	33	...	22	11	...	1
	Number of employees	611	(D)	(D)	...	39	(D)	555	...	356	199	...	(D)
	Value added in mining, $1,000	5,204	(D)	(D)	...	332	(D)	4,768	...	2,960	1,808	...	(D)
1475	Phosphate rock:												
	Number of establishments	18	18	10	...	10	...	5	...	5	...	3	...
	Number of employees	760	760	(D)	...	(D)	...	520	...	520	...	(D)	...
	Value added in mining, $1,000	8,723	8,723	(D)	...	(D)	...	6,489	...	6,489	...	(D)	...

D Withheld to avoid disclosing data for individual companies.
[1] Includes data for 4 sand and gravel establishments for which the method of mining was not specified.
[2] Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[3] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded the value of shipments and capital expenditures.
[4] Includes data for mining services establishments.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	TENNESSEE:													
	All mineral operations	562	106	9,692	35,585	8,411	15,571	29,411	76,001	[3]48,431	[4]115,754	[5]8,678	10,181	65,241
	Mineral industries	533	94	8,744	32,646	7,514	13,845	26,774	68,559	46,744	106,763	8,540	9,576	61,108
	Included in manufactures	29	12	[4]948	[4]2,939	[4]897	1,726	2,637	7,442	[3]1,687	[4]8,991	[5]138	[4]605	4,133
	COUNTIES													
12	Anderson (bituminous coal mining only)	25	5	432	2,269	414	727	2,133	3,507	1,720	5,048	179	451	1,823
12	Bledsoe	7	...	20	29	17	15	24	62	22	78	6	(NA)	(NA)
	Campbell	57	3	403	1,011	357	482	898	1,957	3,094	4,744	307	(NA)	(NA)
12	Bituminous coal mining	54	2	355	823	311	384	720	1,704	2,854	4,324	234	[8]742	[8]3,264
	Carter	5	1	52	198	40	90	138	567	251	773	45	(NA)	(NA)
12	Claiborne	17	4	165	543	158	206	497	995	1,802	2,348	449	255	1,197
	Cumberland, total	30	7	497	1,187	433	736	1,012	2,387	1,128	3,332	183	(NA)	(NA)
	Mineral industries	25	4	263	670	217	348	586	1,550	738	2,166	122	530	1,852
	Included in manufactures	5	3	234	517	216	388	426	837	390	1,166	61	(NA)	(NA)
	Nonmetallic minerals mining (including operations in manufactures)	25	7	472	1,109	411	701	939	2,178	1,033	3,041	170	(NA)	(NA)
14	Mineral industries	20	4	238	592	195	313	513	1,341	643	1,875	109	467	1,544
	Dimension stone (including operations in manufactures)	19	5	370	832	333	571	693	1,547	629	2,062	114	(NA)	(NA)
14	Davidson (mineral industries only)	9	4	201	856	175	271	654	1,762	1,308	2,705	365	269	1,173
	Fentress	10	1	52	205	37	66	96	367	234	483	118	110	(NA)
	Franklin (including operations in manufactures)	6	...	[4]66	[4]261	[4]62	107	237	967	[3]366	[4]1,251	[5]82	[6]70	[6]327
14	Giles	3	1	44	141	41	94	133	307	(D)	489	(D)	45	509
12	Grundy (bituminous coal mining only)	26	1	316	1,259	275	419	1,082	1,708	2,411	3,703	416	344	1,477
	Hamilton (mineral industries only)	13	3	123	545	100	193	384	1,885	549	2,216	218	[7]174	[7]1,931
	Nonmetallic minerals mining (including operations in manufactures)	6	4	[4]131	[4]594	[4]107	213	444	2,431	[3]551	[4]2,786	[5]196	[4]134	1,712
14	Henry	5	2	188	667	159	327	430	1,962	836	2,514	284	[6]135	[6]974
10	Jefferson	6	5	545	2,433	475	907	1,831	3,539	2,732	4,989	1,282	407	1,482
	Johnson	5	1	51	170	42	86	124	376	118	477	17	158	682
	Knox, total	21	8	1,129	4,180	959	1,923	3,358	5,963	[3]4,163	[4]9,913	[5]213	1,087	5,581
	Mineral industries only	13	3	564	2,272	425	864	1,658	2,734	3,210	5,808	136	699	3,712
	Included in manufactures	8	5	[4]565	[4]1,908	[4]534	1,059	1,700	3,229	[3]953	[4]4,105	[5]77	[4]388	1,869
	Crushed and broken stone (including operations in manufactures)	11	3	[4]246	[4]943	[4]233	491	894	2,254	[3]1,319	[4]3,477	[5]96	(NA)	(NA)
	Marion (including operations in manufactures)	52	9	583	2,071	544	721	1,847	3,664	2,869	6,354	179	(NA)	(NA)
12	Bituminous coal mining	49	8	542	1,896	505	640	1,685	2,946	2,670	5,527	89	[8]1,160	[8]5,729
14	Maury	15	8	710	3,449	597	1,321	2,697	8,366	6,556	14,603	319	697	8,875
1475	Phosphate rock	12	7	675	3,252	566	1,240	2,559	8,010	6,351	14,128	233	(NA)	(NA)
	Monroe	10	...	67	132	57	77	95	412	477	794	95	(NA)	(NA)
	Montgomery	5	1	73	170	67	98	157	676	262	865	73	(NA)	(NA)
	Morgan	25	...	141	507	(NA)	(NA)	(NA)	(NA)	(NA)	2,402	(NA)	[9]257	(NA)
12	Bituminous coal mining	18	...	110	428	106	168	417	1,373	932	2,104	201	222	1,611
	Overton	8	1	59	98	47	50	75	331	71	293	109	39	127

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll	Number	Man-hours	Wages						
		—			($1,000)		(1,000)	($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Rhea (mineral industries only)	11	2	109	383	96	168	320	663	416	891	188	42	167
	Roane	8	1	65	246	62	141	237	526	428	875	79	62	423
12	Scott (bituminous coal mining only)	23	5	302	853	283	431	792	1,858	1,096	2,504	450	209	1,299
	Sequatchie	19	...	110	267	104	123	258	547	391	821	117	[8]176	[8]670
14	Shelby (mineral industries only)	13	4	244	1,050	212	461	807	2,257	936	2,951	242	260	1,675
	Sullivan (including operations in manufactures)	8	2	[4]82	[4]228	[4]66	137	215	1,143	[3]469	[4]1,575	[5]37	[4]104	790
142	Sumner	3	1	44	124	37	54	93	330	(D)	468	(D)	(NA)	(NA)
12	Van Buren	4	...	11	20	10	10	19	27	31	58	...	29	91
14	Weakley	5	3	101	344	86	194	276	1,432	590	1,707	315	107	1,111
14	Williamson	3	1	76	358	67	134	234	626	457	1,005	78	(NA)	(NA)
13	Undistributed	27	...	2	12	(NA)	(NA)	(NA)	(NA)	(NA)	24	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Represents mineral industries only.
[7]Includes data for mining operations in manufactures.
[8]Represents the Bituminous Coal Industry only.
[9]Excludes data for Oil and Gas Field Services Industries.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Tennessee, total....	562	533	29	2	...	7	...	...	9	2	...	277	4	27	...	4	27	9	85	6	45	4	12	10	27	2	3	...
No employees.....	55	55	...	1	...	...	...	...	1	1	...	24	1	21	...	...	1	...	...	...	4	...	...	...	...	1	...	...
1-4 employees.....	182	171	11	...	...	...	...	...	2	...	...	113	2	6	...	3	10	1	10	...	15	2	2	8	6	...	2	...
5-9 employees.....	102	99	3	...	...	...	...	...	1	...	...	67	...	...	...	1	6	1	10	...	8	...	2	2	4	...	...	...
10-19 employees...	117	114	3	...	...	1	...	...	4	...	...	47	...	...	...	...	5	1	37	2	8	...	2	...	9	1	...	...
20-49 employees...	78	71	7	...	...	2	...	...	...	...	...	18	1	...	...	...	5	2	27	3	8	2	5	...	4	...	1	...
50-99 employees...	15	13	2	...	...	1	...	...	1	1	...	4	...	...	...	...	...	1	1	1	2	...	1	...	2	...	...	...
100-249 employees.	10	8	2	...	...	2	...	...	...	...	...	4	...	...	...	...	...	2	...	...	...	...	...	...	2	...	...	...
250-499 employees.	2	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
1000 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Anderson:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	19	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bedford:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Benton:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Bledsoe:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blount:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	3	...	...	...	...	...	...	...	...	...
Bradley:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Campbell:																												
0-19 employees....	54	54	...	...	...	...	...	...	...	...	...	51	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Cannon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Carroll:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Carter:																												
0-19 employees....	4	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Claiborne:																												
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Coffee:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Cumberland:																												
0-19 employees....	23	21	2	...	...	...	...	...	...	...	...	5	...	...	...	...	12	2	3	...	1	...	...	...	...	...	...	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	...	...	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Davidson:																												
0-19 employees....	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	2	1	1	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
Decatur:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Dickson:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
Fentress:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	6	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Franklin:																											
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	1	...	...	...	1	...	...	...
Giles:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Grainger:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Greene:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
Grundy:																											
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	25	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hamblen:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hamilton:																											
0-19 employees....	12	10	2	...	...	...	...	...	...	...	...	9	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...
20-99 employees...	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	...
Hancock:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hardeman:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Haywood:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Henry:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Hickman:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Humphreys:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Johnson:																											
0-19 employees....	4	4	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Knox:																											
0-19 employees....	13	10	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	7	1	1	1	...	1	...	...	...
20-99 employees...	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	1	1	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lawrence:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Loudon:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...
McMinn:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...
Marion:																											
0-19 employees....	43	43	...	...	...	...	...	...	...	...	...	40	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...
20-99 employees...	8	7	1	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Maury:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	5	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Meigs:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Monroe:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	2	...	...	...	6	...	...	...
Montgomery:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Morgan:																											
0-19 employees....	25	25	...	...	...	...	...	...	...	...	...	18	...	4	...	...	2	...	1	...	...	...	...	...	...	...	...	...
Overton:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Pickett:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Polk:																											
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Putnam:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rhea:																											
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	5	...	...	...	...	2	...	1	...	...	...	1	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Roane:																											
0-19 employees....	7	7	...	1	...	...	...	...	...	...	...	4	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Robertson:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Rutherford:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Scott:																											
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	18	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sequatchie:																											
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	18	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sevier:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Shelby:																											
0-19 employees....	10	9	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...
Smith:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Sullivan:																											
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	2	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
Sumner:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Tipton:																											
20-99 employees...	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Unicoi:																											
0-19 employees....	4	4	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Van Buren:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Washington:																												
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
Wayne:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Weakley:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...
White:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Williamson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Wilson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	22	...	5	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

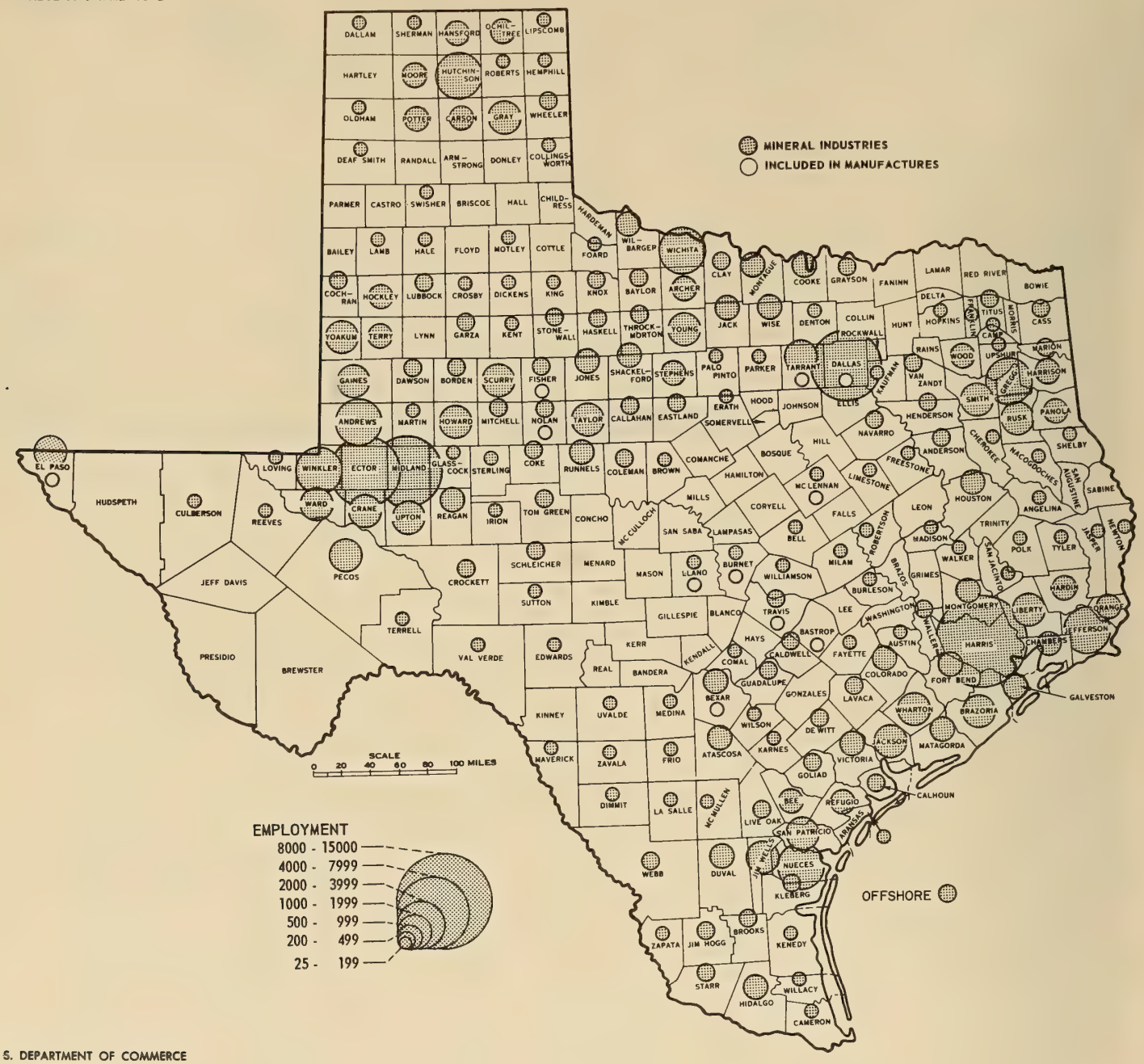
TEXAS

40-1

EMPLOYMENT IN MINING BY COUNTY: 1958

TEXAS

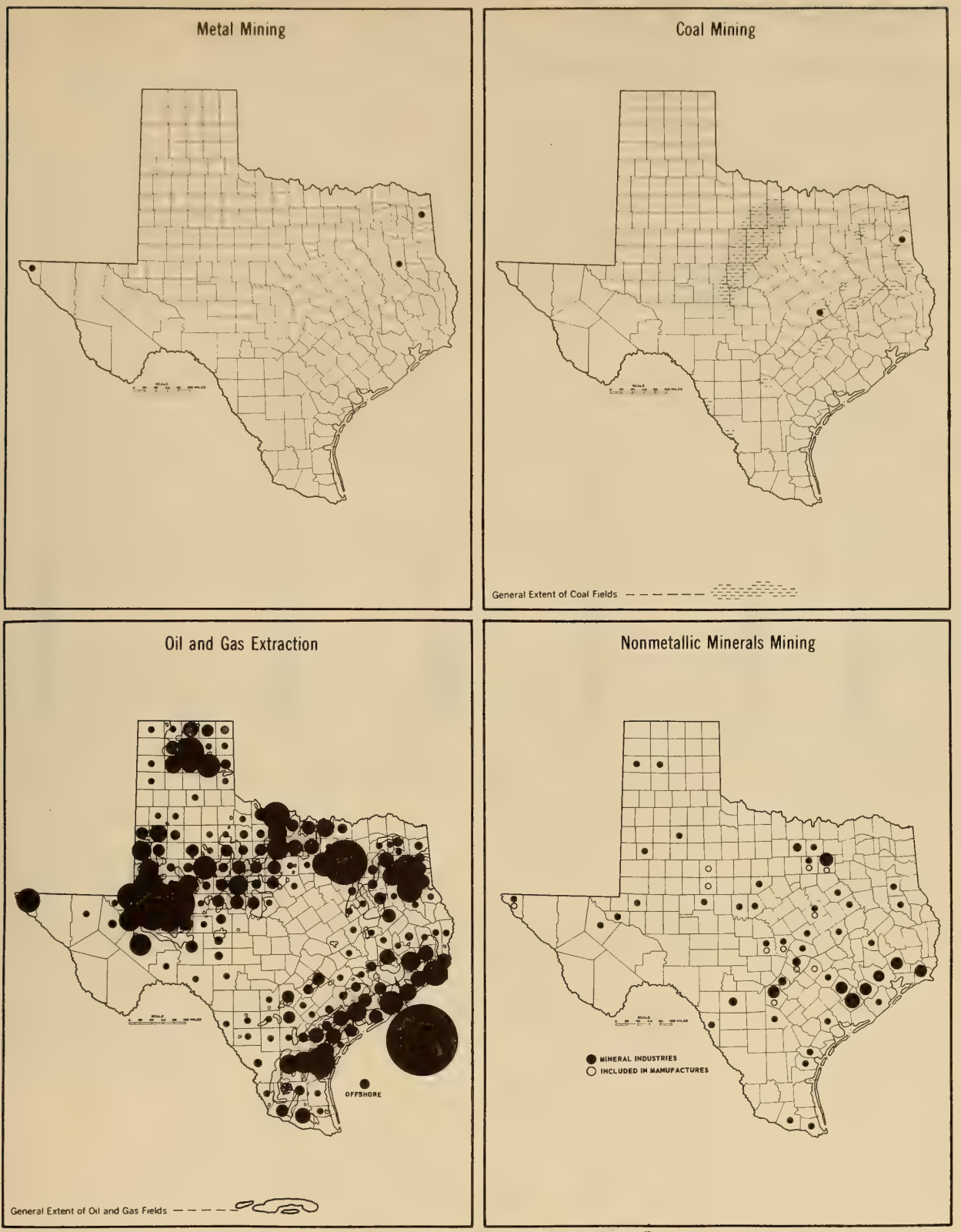
RANK AMONG STATES
EMPLOYMENT - 1
VALUE OF SHIPMENTS - 1



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN TEXAS

Employment For Industry Group By County: 1958



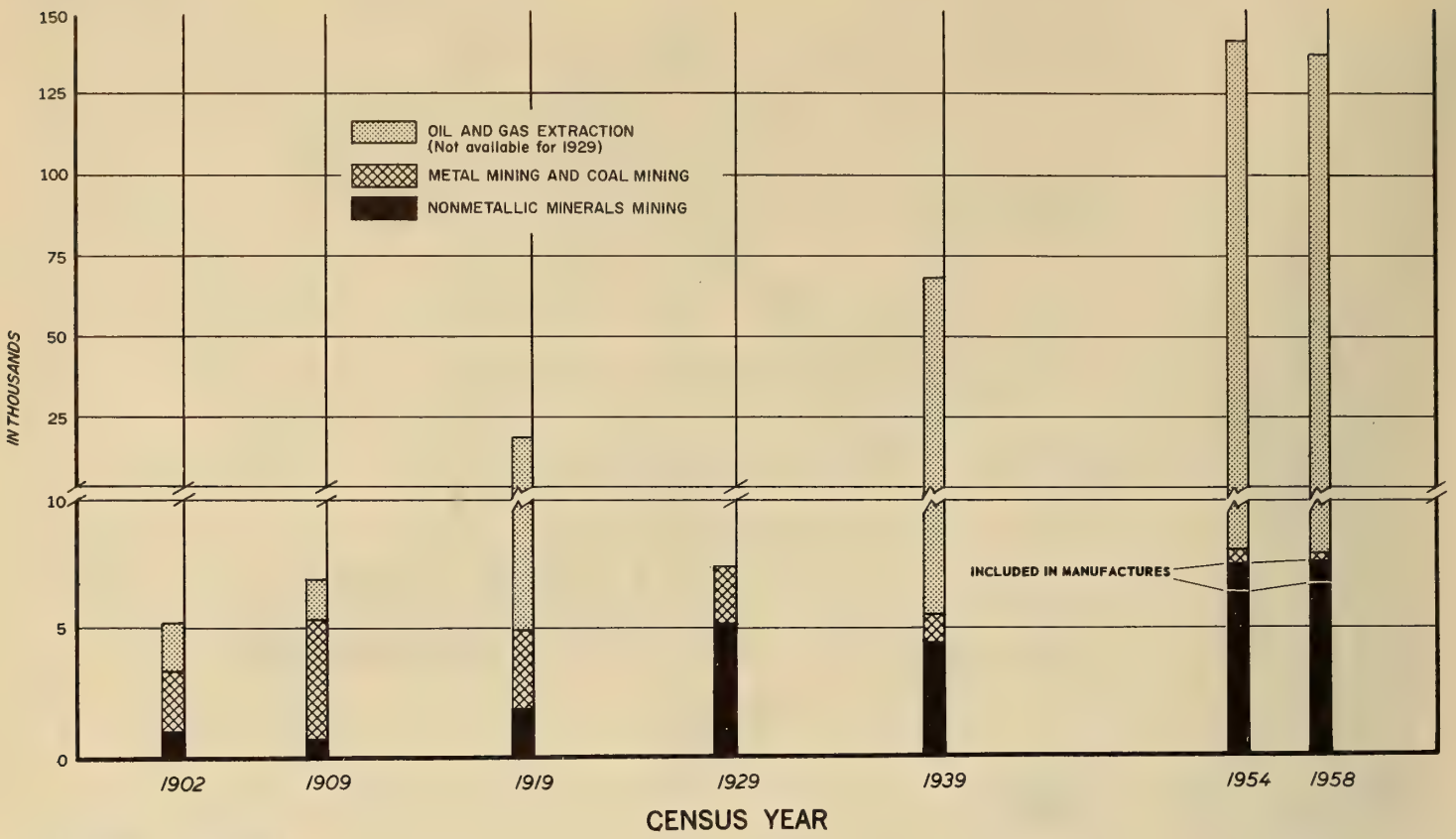
U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

TEXAS



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures[2]	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity[3]	Minerals received for preparation	Contract work[3]	Purchased machinery installed[2]	($1,000)	($1,000)	Total[2] (million)	Per production worker (1,000)
Mineral industries only:																
1958	5,855	1,149	136,129	747,505	89,707	189,257	424,183	3,845,917	636,418	465,790	579,941	251,858	5,017,044	762,880	153,545	1,712
1954	5,264	1,162	139,802	665,953	100,455	221,216	423,213	3,533,064	[4]674,522	([4])	600,092	363,822	4,311,283	860,217	138,715	1,381
Including operations in manufactures:																
All operations:																
1958	5,953	1,161	137,007	750,828	90,561	190,957	427,353	r3,866,685	r639,483	465,790	579,967	251,870	5,040,890	r762,905	r153,779	r1,698
1954[5]	5,345	1,181	140,993	669,133	101,642	223,497	426,368	r3,544,874	[4]677,176	([4])	600,102	363,859	r4,325,776	860,235	138,726	1,365
1939[6]	[7]3,685	(NA)	67,674	117,575	53,329	96,255	78,249	521,232	42,808	(NA)	77,340	(NA)	641,380	(NA)	63,451	1,190
1919[8]	688	(NA)	22,728	36,583	18,343	(NA)	29,924	80,525	52,880	[9]361	26,612	(NA)	160,378	(NA)	[10]8,860	483
1909[8]	260	(NA)	6,898	4,604	6,458	(NA)	4,054	8,422	2,129	[9]35	156	(NA)	10,742	(NA)	(NA)	(NA)
1902[11]	[7]385	(NA)	5,147	3,011	[12]3,901	(NA)	2,309	4,245	1,103	(NA)	1,634	(NA)	6,982	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	412	109	8,166	37,718	6,913	15,468	29,167	r127,176	r30,499	1,411	3,059	5,902	160,080	r7,967	r8,909	r1,289
1954[5]	359	96	8,038	31,008	7,157	16,001	25,988	r129,790	25,966	51	4,459	9,924	r159,922	10,268	10,975	1,533
1939[13]	[7]201	(NA)	5,452	6,515	4,872	9,811	4,989	29,860	4,833	(NA)	180	(NA)	34,873	(NA)	4,039	829
1929[14]	133	(NA)	7,333	9,805	6,544	(NA)	7,609	38,884	10,823	(NA)	51	2,532	49,758	(NA)	8,128	1,242
1919[8]	71	(NA)	4,955	5,964	4,565	(NA)	4,989	13,010	4,023	...	8	(NA)	17,041	(NA)	[10]1,236	271
1909[15]	78	(NA)	5,301	2,929	5,025	(NA)	2,630	3,669	651	...	31	(NA)	4,351	(NA)	(NA)	(NA)
1902[16]	[7]98	(NA)	3,340	1,781	[12]3,130	(NA)	1,562	2,411	375	(NA)	6	(NA)	2,792	(NA)	(NA)	(NA)

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]For 1958 and 1954, excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in 1958 and 1954, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]For 1958, figures for dimension stone operations in manufactures and for 1954 all figures for minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electricity. Excludes the cost of natural gas received for processing at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Except for value of shipments and value added in mining, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing limestone and granite at such operations was $21 thousand; this value has been included in the value of shipments and value added in mining.

[7]Represents number of mines and quarries, number of natural gas liquids plants and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and limestone quarries operated as parts of cement and lime plants. In 1939, there were 102 such mines and quarries with products valued at $3,963 thousand. For 1919, excludes data for one nonproducing establishment.

[9]Represents natural gas purchased as a material or for resale.

[10]Excludes purchased electricity. For "all operations" in 1939, the quantity of purchased electricity amounted to less than one percent of the total kwh equivalent of energy used; also, for "excluding oil and gas extraction industries" in 1929, to less than one percent.

[11]Excludes data for sand, gravel, common clay, and shale mining operations. Includes data for 2 cement plants and for lime plants producing lime valued at $82 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Except for number of establishments, excludes data for 4 nonproducing mines. See also footnote 6.

[14]Excludes data for common clay and shale mining operations. In 1939, there were 32 such mines with products valued at $256 thousand.

[15]Except for number of establishments, excludes data for 3 nonproducing establishments. See also footnote 8.

[16]Excludes data for nonproducing operations. See also footnote 11.

NA Not available. [r]Revised.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll	Number	Man-hours	Wages						
					($1,000)		(1,000)	($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	5,953	1,161	137,007	750,828	90,561	190,957	427,353	r3,866,685	[2]1,937,110	[3]5,040,890	[4]762,905	140,993	3,544,874
	Mineral industries	5,855	1,149	136,129	747,505	89,707	189,257	424,183	3,845,917	1934,007	5,017,044	762,880	139,802	3,533,064
	Included in manufactures	98	12	[3]878	[3]3,323	[3]854	1,700	3,170	r 20,768	r [2]3,103	[3]23,846	r [4]25	[3]1,191	11,810
10&12	Metal mining and Lignite mining	17	5	510	3,126	359	854	2,131	10,335	2,219	12,361	193	555	8,723
13	Oil and gas extraction	5,541	1,052	128,846	713,110	83,648	175,489	398,186	3,739,509	1,896,239	4,880,810	754,938	132,955	3,415,084
1311	Crude petroleum and natural gas	3,225	335	66,669	401,576	32,833	65,949	163,967	2,878,841	1,070,169	3,291,403	657,607	63,156	2,623,155
	Crude petroleum	3,042	307	63,071	381,674	30,959	62,154	154,589	2,726,038	993,033	3,123,856	595,215	61,297	2,486,440
	Natural gas	183	28	3,598	19,902	1,874	3,795	9,378	152,803	77,136	167,547	62,392	1,859	136,715
1321	Natural gas liquids	247	159	8,579	49,409	6,949	14,007	38,597	329,457	529,936	816,408	42,985	8,994	[5]217,365
138	Oil and gas field services	2,069	558	53,598	262,125	43,866	95,533	195,622	531,211	296,134	772,999	54,346	60,805	574,564
1381	Drilling oil and gas wells	951	333	21,418	97,388	18,814	37,502	79,960	190,427	142,275	308,087	24,615	25,957	240,625
1382	Oil and gas exploration services	149	34	3,581	17,201	2,913	6,768	12,554	26,228	12,134	35,929	2,433	6,597	47,812
1389	Oil and gas field services, nec	969	191	28,594	147,536	22,139	51,263	103,108	314,556	141,725	428,983	27,298	28,251	286,127
	Nonmetallic minerals mining	395	104	7,651	34,592	6,554	14,614	27,036	r 116,841	r [2]38,652	[3]147,719	[4]7,817	7,483	r 121,067
14	Mineral industries	297	92	6,773	31,269	5,700	12,914	23,866	96,073	35,549	123,873	7,749	6,292	109,257
	Included in manufactures	98	12	[3]878	[3]3,323	[3]854	1,700	3,170	r 20,768	[2]3,103	[3]23,846	[4]68	[3]1,191	r 11,810
	Dimension stone	13	5	279	1,004	242	420	812	1,785	1,301	3,038	48	311	1,474
1411	Mineral industry	8	3	100	273	87	170	231	556	148	679	25	26	76
	Included in manufactures	5	2	179	731	155	250	581	1,229	1,153	2,359	23	285	1,398
	Crushed and broken stone	50	27	1,466	5,908	1,309	3,148	5,081	(D)	[2]7,609	(D)	(NA)	1,132	r 12,761
1421	Mineral industry	37	22	1,191	4,781	1,034	2,597	3,954	11,122	6,657	16,071	1,708	773	6,062
	Included in manufactures	13	5	[3]275	[3]1,127	[3]275	551	1,127	(D)	[2]952	(D)	(NA)	359	r 6,699
	Crushed and broken limestone (Mineral subindustry only)	24	17	985	4,083	860	2,236	3,355	9,491	5,383	13,449	1,425	693	5,428
	Sand and gravel	202	43	2,653	10,320	2,381	5,758	8,812	28,123	[2]11,522	[3]35,518	(NA)	(NA)	(NA)
1441	Mineral industry	191	40	2,469	9,761	2,197	5,391	8,253	25,569	11,094	32,536	4,127	2,453	18,002
	Included in manufactures	11	3	[3]184	[3]559	[3]184	367	559	2,554	[2]428	[3]2,982	(NA)	(NA)	(NA)
145	Clay and related minerals (Mineral industries only)	18	8	309	1,072	266	576	814	2,530	2,087	4,331	286	182	2,029
1452	Bentonite	6	3	131	436	104	212	287	751	929	1,623	57	90	1,175
	Clay and related minerals, nec	62	5	291	971	280	605	887	2,327	[2]1,547	[3]3,671	(NA)	315	1,848
1459	Mineral industry	8	4	139	507	128	301	423	1,345	1,026	2,168	203	(NA)	(NA)
	Included in manufactures	54	1	[3]152	[3]464	[3]152	304	464	982	[2]521	[3]1,503	(NA)	(NA)	(NA)
147	Chemical and fertilizer minerals	24	12	2,069	12,901	1,603	3,226	9,046	52,925	12,929	64,741	1,113	...	...
	Miscellaneous minerals, nec: Gypsum	6	1	[3]86	[3]334	[3]86	172	334	4,324	[2]400	[3]4,724	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available. rRevised.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.
[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[5]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of such gas was used in computing value added in mining.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	1.934,007	636,418	465,790	579,941	251,858	762,880	344,738	418,142	xxx	xxx	xxx	xxx
10&12	Metal mining and Lignite mining	2,219	1,404	...	399	416	193	11	182	xxx	xxx	xxx	xxx
13	Oil and gas extraction.....	1,896,239	608,984	464,379	576,908	245,968	754,938	344,629	410,309	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	1,070,169	351,366	...	533,551	185,252	657,607	341,985	315,622	xxx	3,267,995	xxx	18,860
	Crude petroleum.....	993,033	319,694	...	500,848	172,491	595,215	312,703	282,512	[3]889,070	2,699,461	[3]23,298	69,178
	Natural gas.....	77,136	31,672	...	32,703	12,761	62,392	29,282	33,110	[4]1,089,630	115,068	[4]3,679,620	403,148
1321	Natural gas liquids.....	529,936	29,487	464,379	23,279	12,791	42,985	...	42,985	[5]158,454	[5]375,497	...	...
138	Oil and gas field services.....	296,134	228,131	...	20,078	47,925	54,346	2,644	51,702	xxx	[6]721,069	xxx	([6])
1381	Drilling oil and gas wells...	142,275	104,864	...	16,091	21,320	24,615	2,594	22,021	xxx	[6]308,547	xxx	([6])
1382	Oil and gas exploration services.....	12,134	9,039	...	880	2,215	2,433	...	2,433	xxx	[6]34,767	xxx	([6])
1389	Oil and gas field services, nec.....	141,725	114,228	...	3,107	24,390	27,298	50	27,248	xxx	[6]377,755	xxx	([6])
14	Nonmetallic minerals mining.....	35,549	26,030	1,411	2,634	5,474	7,749	98	7,651	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	6,657	5,207	27	212	1,211	1,708	31	1,677	10,895	15,329	[7]6,416	[7]7,969
	Crushed and broken limestone	5,383	4,279	20	127	957	1,425	31	1,394	9,696	12,935	[7]6,371	[7]7,922
1441	Sand and gravel.....	11,094	[8]8,048	([8])	513	2,533	4,127	63	4,064	25,874	[6]33,803	[7]2,944	([6])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Represents thousands of barrels of crude petroleum, field condensates, and drips shipped or used.
[4]Represents millions of cubic feet of natural gas shipped.
[5]Represents net shipments of natural gas liquids only. The quantity figure is in thousands of barrels.
[6]Figures for primary products or services shipped or performed in other industries are included with those for primary products or services shipped or performed in the specified industry. For the Sand and Gravel Industry, see also footnote 7.
[7]Includes data for minerals produced and used in the same establishment in making manfactured products. The value of such minerals was estimated.
[8]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All establishments:												
	Number of establishments	3,777	3,647	3,193	...	58	3,135	200	1	173	26	254	130
	Number of employees	[3]82,388	[3]82,221	68,583	...	261	68,322	4,867	(D)	4,143	(D)	8,686	167
	Value added in mining, $1,000	3,314,079	3,318,658	2,935,601	...	2,617	2,932,984	52,043	(D)	45,573	(D)	331,014	(4)
10&12	Metal mining and Lignite mining:												
	Number of establishments	16	8	3	...	3	...	5	...	5	...	...	8
	Number of employees	[5]510	(D)	(D)	...	(D)	...	373	...	373	...	...	(D)
	Value added in mining, $1,000	[5]10,335	(D)	(D)	...	(D)	...	9,968	...	9,968	...	...	(D)
13	Oil and gas extraction:												
	Number of establishments	3,472	3,353	3,107	...	...	3,107	...	...	...	...	246	119
	Number of employees	75,248	(D)	66,529	...	...	66,529	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	3,208,298	(D)	2,883,420	...	...	2,883,420	...	...	...	...	(D)	(D)
1311	Crude petroleum and natural gas:												
	Number of establishments	3,225	3,107	3,107	...	...	3,107	...	...	...	...	...	118
	Number of employees	66,669	66,529	66,529	...	...	66,529	...	...	...	...	...	140
	Value added in mining, $1,000	2,878,841	2,883,420	2,883,420	...	...	2,883,420	...	...	...	...	...	(4)
14	Nonmetallic minerals mining:												
	Number of establishments	289	286	83	...	55	28	195	1	168	26	8	3
	Number of employees	[5]6,773	[5]6,879	(D)	...	(D)	1,793	4,494	(D)	3,770	(D)	(D)	14
	Value added in mining, $1,000	[5]96,073	[5]96,439	(D)	...	(D)	49,564	42,075	(D)	35,581	(D)	(D)	(4)
1421	Crushed and broken stone:												
	Number of establishments	37	37	5	...	5	...	31	...	31	...	1	...
	Number of employees	1,191	1,191	(D)	...	(D)	...	1,160	...	1,160	...	(D)	...
	Value added in mining, $1,000	11,122	11,122	(D)	...	(D)	...	10,647	...	10,647	...	(D)	...
	Crushed and broken limestone:												
	Number of establishments	24	24	2	...	2	...	21	...	21	...	1	...
	Number of employees	985	985	(D)	...	(D)	...	961	...	961	...	(D)	...
	Value added in mining, $1,000	9,491	9,491	(D)	...	(D)	...	9,084	...	9,084	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	191	191	56	...	35	21	135	...	108	25	...	...
	Number of employees	2,469	2,469	132	...	97	35	2,337	...	1,934	403	...	...
	Value added in mining, $1,000	25,569	25,569	1,664	...	1,204	460	23,905	...	18,271	5,634	...	...
147	Chemical and fertilizer minerals:												
	Number of establishments	24	21	7	...	...	7	6	1	4	1	8	3
	Number of employees	2,010	1,996	1,758	...	...	1,758	144	(D)	(D)	(D)	94	14
	Value added in mining, $1,000	52,925	52,927	49,104	...	...	49,104	2,288	(D)	(D)	(D)	1,535	(4)

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 20 sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 10 sand and gravel establishments for which the method of mining was not specified.
[3]Includes figures for separately reported central offices and related facilities which were not distributed by type of operation
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[5]Includes data for mining services operations.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	TEXAS:													
	All mineral operations	5,953	1,161	137,007	750,828	90,561	190,957	427,353	r3,866,685	[3]1,937,110	[4]5,040,890	[5]762,905	140,993	3,544,874
	Mineral industries	5,855	1,149	136,129	747,505	89,707	189,257	424,183	3,845,917	1,934,007	5,017,044	762,880	139,802	3,533,064
	Included in manufactures	98	12	[4]878	[4]3,323	[4]854	1,700	3,170	r 20,768	r [3]3,103	[4]23,846	r [5]25	[4]1,191	11,810
	COUNTIES													
	Anderson	94	6	420	2,196	(NA)	(NA)	(NA)	(NA)	(NA)	24,527	(NA)	[6]232	(NA)
131	Crude petroleum and natural gas	56	1	146	839	(NA)	(NA)	(NA)	(NA)	(NA)	17,648	(NA)	(NA)	(NA)
13	Andrews, total	314	32	2,596	13,844	(NA)	(NA)	(NA)	(NA)	(NA)	222,607	(NA)	[6]1,150	(NA)
131	Crude petroleum and natural gas	156	10	1,074	6,173	(NA)	(NA)	(NA)	(NA)	(NA)	180,192	(NA)	910	(NA)
132	Natural gas liquids	6	5	274	1,603	232	456	1,303	11,698	8,368	19,432	634	240	6,548
138	Oil and gas field services	152	17	1,248	6,068	(NA)	(NA)	(NA)	(NA)	(NA)	22,983	(NA)	(NA)	(NA)
	Angelina	7	1	28	108	(NA)	(NA)	(NA)	(NA)	(NA)	552	(NA)	[6]25	(NA)
13	Aransas	54	...	96	527	(NA)	(NA)	(NA)	(NA)	(NA)	12,424	(NA)	[6]144	(NA)
131	Crude petroleum and natural gas	38	...	79	454	(NA)	(NA)	(NA)	(NA)	(NA)	10,456	(NA)	144	(NA)
13	Archer	329	7	913	5,074	(NA)	(NA)	(NA)	(NA)	(NA)	28,970	(NA)	[6]795	(NA)
131	Crude petroleum and natural gas	226	6	661	3,799	(NA)	(NA)	(NA)	(NA)	(NA)	24,227	(NA)	735	(NA)
	Atascosa	97	6	532	2,819	(NA)	(NA)	(NA)	(NA)	(NA)	18,015	(NA)	[6]270	(NA)
131	Crude petroleum and natural gas	58	2	285	1,638	(NA)	(NA)	(NA)	(NA)	(NA)	12,326	(NA)	193	(NA)
	Austin	29	2	102	540	(NA)	(NA)	(NA)	(NA)	(NA)	5,375	(NA)	[6]130	(NA)
131	Crude petroleum and natural gas	15	1	65	374	(NA)	(NA)	(NA)	(NA)	(NA)	4,897	(NA)	(NA)	(NA)
138	Bandera	3	...	16	78	(NA)	(NA)	(NA)	(NA)	(NA)	71	(NA)	(NA)	(NA)
	Bastrop:													
	Including operations in manufactures	17	1	[4]50	[4]182	(NA)	(NA)	(NA)	(NA)	(NA)	[4]853	(NA)	(NA)	(NA)
13	Mineral industries only	11	...	16	79	(NA)	(NA)	(NA)	(NA)	(NA)	348	(NA)	[6]25	(NA)
13	Baylor, total	94	1	203	1,082	(NA)	(NA)	(NA)	(NA)	(NA)	8,414	(NA)	[6]82	(NA)
131	Crude petroleum and natural gas	56	...	107	615	(NA)	(NA)	(NA)	(NA)	(NA)	7,156	(NA)	82	(NA)
	Oil and gas field services	38	1	96	467	(NA)	(NA)	(NA)	(NA)	(NA)	1,258	(NA)	(NA)	(NA)
13	Bee	135	8	744	4,134	(NA)	(NA)	(NA)	(NA)	(NA)	23,233	(NA)	[6]464	(NA)
131	Crude petroleum and natural gas	79	3	421	2,420	(NA)	(NA)	(NA)	(NA)	(NA)	9,836	(NA)	(NA)	(NA)
	Bexar, total	104	9	926	4,268	(NA)	(NA)	(NA)	(NA)	(NA)	8,421	(NA)	[6]801	(NA)
	Mineral industries	98	8	865	4,053	(NA)	(NA)	(NA)	(NA)	(NA)	6,400	(NA)	[6]761	(NA)
	Included in manufactures	6	1	[4]61	[4]215	[4]61	122	215	1,868	[3]153	[4]2,021	(NA)	40	(NA)
13	Oil and gas extraction	75	4	466	2,626	(NA)	(NA)	(NA)	(NA)	(NA)	1,149	(NA)	[6]595	(NA)
10&14	Metal mining and Nonmetallic minerals mining (mineral industries only)	23	4	399	1,427	328	697	1,128	4,584	1,427	5,251	760	166	1,591
	Crushed and broken stone (including operations manufactures)	5	3	[4]179	[4]719	[4]146	289	595	3,156	(D)	[4]3,801	(D)	(NA)	(NA)
144	Sand and gravel	16	1	226	670	207	481	607	2,617	488	2,650	455	(NA)	(NA)
	Borden	93	3	307	1,588	(NA)	(NA)	(NA)	(NA)	(NA)	34,608	(NA)	[6]102	(NA)
131	Crude petroleum and natural gas	51	1	115	661	(NA)	(NA)	(NA)	(NA)	(NA)	30,524	(NA)	102	(NA)
13	Bowie (mineral industries only)	6	...	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	132	(NA)	[6] [7]87	(NA)
	Brazoria, total	137	17	1,510	8,453	(NA)	(NA)	(NA)	(NA)	(NA)	147,055	(NA)	[6]1,688	(NA)
	Crude petroleum and natural gas	65	6	693	3,983	(NA)	(NA)	(NA)	(NA)	(NA)	93,525	(NA)	749	(NA)
132 & 14	Natural gas liquids and Nonmetallic minerals mining	6	5	390	2,394	325	644	1,848	14,551	34,713	48,958	306	939	19,371
138	Oil and gas field services	66	6	427	2,076	(NA)	(NA)	(NA)	(NA)	(NA)	4,572	(NA)	(NA)	(NA)
13	Brazos (mineral industries only)	8	...	9	45	(NA)	(NA)	(NA)	(NA)	(NA)	133	(NA)	(NA)	(NA)
	Brewster	4	...	21	73	(NA)	(NA)	(NA)	(NA)	(NA)	45	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
13	Brooks, total	51	1	251	1,354	(NA)	(NA)	(NA)	(NA)	(NA)	24,365	(NA)	[6]227	(NA)
131	Crude petroleum and natural gas	23	1	151	868	(NA)	(NA)	(NA)	(NA)	(NA)	23,076	(NA)	227	(NA)
138	Oil and gas field services	28	...	100	486	(NA)	(NA)	(NA)	(NA)	(NA)	1,289	(NA)	(NA)	(NA)
	Brown (mineral industries only)	85	2	163	741	(NA)	(NA)	(NA)	(NA)	(NA)	1,591	(NA)	[6]200	(NA)
13	Burleson	8	1	23	132	(NA)	(NA)	(NA)	(NA)	(NA)	40	(NA)	(NA)	(NA)
	Burnet (mineral industries only)	12	3	114	459	(NA)	(NA)	(NA)	(NA)	(NA)	1,371	(NA)	45	285
14	Nonmetallic minerals mining (mineral industries only)	8	3	113	454	97	207	348	925	493	1,342	76	45	285
13	Caldwell, total	91	3	394	2,130	(NA)	(NA)	(NA)	(NA)	(NA)	11,957	(NA)	[6]401	(NA)
131	Crude petroleum and natural gas	62	2	241	1,385	(NA)	(NA)	(NA)	(NA)	(NA)	10,557	(NA)	401	(NA)
138	Oil and gas field services	29	1	153	745	(NA)	(NA)	(NA)	(NA)	(NA)	1,400	(NA)	(NA)	(NA)
13	Calhoun	77	5	335	1,816	(NA)	(NA)	(NA)	(NA)	(NA)	14,194	(NA)	[6]96	(NA)
131	Crude petroleum and natural gas	39	3	190	1,092	(NA)	(NA)	(NA)	(NA)	(NA)	12,228	(NA)	(NA)	(NA)
13	Callahan, total	149	1	243	1,294	(NA)	(NA)	(NA)	(NA)	(NA)	7,568	(NA)	[6]135	(NA)
131	Crude petroleum and natural gas	88	...	127	730	(NA)	(NA)	(NA)	(NA)	(NA)	6,020	(NA)	135	(NA)
138	Oil and gas field services	61	1	116	564	(NA)	(NA)	(NA)	(NA)	(NA)	1,548	(NA)	(NA)	(NA)
	Cameron	13	1	47	164	(NA)	(NA)	(NA)	(NA)	(NA)	898	(NA)	[6]10	(NA)
13	Camp	17	1	46	253	(NA)	(NA)	(NA)	(NA)	(NA)	401	(NA)	[6]20	(NA)
13	Carson	91	7	678	3,922	(NA)	(NA)	(NA)	(NA)	(NA)	38,326	(NA)	[6]418	(NA)
131	Crude petroleum and natural gas	57	5	321	1,845	(NA)	(NA)	(NA)	(NA)	(NA)	23,066	(NA)	156	(NA)
	Cass	37	3	223	1,252	(NA)	(NA)	(NA)	(NA)	(NA)	10,505	(NA)	[6]146	(NA)
131	Crude petroleum and natural gas	22	...	109	627	(NA)	(NA)	(NA)	(NA)	(NA)	6,518	(NA)	83	(NA)
13	Chambers	112	8	667	3,553	(NA)	(NA)	(NA)	(NA)	(NA)	59,872	(NA)	[6]575	(NA)
131	Crude petroleum and natural gas	39	4	334	1,920	(NA)	(NA)	(NA)	(NA)	(NA)	50,692	(NA)	(NA)	(NA)
	Cherokee	47	1	154	800	(NA)	(NA)	(NA)	(NA)	(NA)	8,410	(NA)	[6]57	(NA)
131	Crude petroleum and natural gas	21	...	47	270	(NA)	(NA)	(NA)	(NA)	(NA)	5,129	(NA)	16	(NA)
101, 132 & 145	Iron ores, Natural gas liquids, and Clay and related minerals	4	1	51	258	41	63	190	2,047	(D)	2,384	(D)	41	(NA)
	Childress	5	...	12	51	(NA)	(NA)	(NA)	(NA)	(NA)	378	(NA)	(NA)	(NA)
	Clay	127	3	455	2,449	(NA)	(NA)	(NA)	(NA)	(NA)	18,421	(NA)	[6]313	(NA)
131	Crude petroleum and natural gas	82	3	279	1,604	(NA)	(NA)	(NA)	(NA)	(NA)	16,250	(NA)	(NA)	(NA)
13	Cochran	99	5	431	2,296	(NA)	(NA)	(NA)	(NA)	(NA)	21,959	(NA)	[6]346	(NA)
131	Crude petroleum and natural gas	69	1	194	1,115	(NA)	(NA)	(NA)	(NA)	(NA)	18,225	(NA)	(NA)	(NA)
	Coke	57	7	370	1,919	(NA)	(NA)	(NA)	(NA)	(NA)	38,078	(NA)	[6]229	(NA)
131	Crude petroleum and natural gas	33	1	98	563	(NA)	(NA)	(NA)	(NA)	(NA)	29,285	(NA)	(NA)	(NA)
	Coleman (mineral industries only)	159	3	365	1,935	(NA)	(NA)	(NA)	(NA)	(NA)	11,194	(NA)	[6] [7]445	(NA)
131	Crude petroleum and natural gas	111	1	191	1,098	(NA)	(NA)	(NA)	(NA)	(NA)	8,182	(NA)	361	(NA)
138	Oil and gas field services	45	1	135	656	(NA)	(NA)	(NA)	(NA)	(NA)	2,221	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Colorado (mineral industries only), total	83	14	666	3,363	(NA)	(NA)	(NA)	(NA)	(NA)	32,737	(NA)	[6]589	(NA)
13	Oil and gas extraction, total	72	6	299	1,693	(NA)	(NA)	(NA)	(NA)	(NA)	27,982	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	31	1	81	466	(NA)	(NA)	(NA)	(NA)	(NA)	10,110	(NA)	91	(NA)
132	Natural gas liquids	3	3	119	746	96	199	543	4,029	11,573	15,449	153	112	8,357
138	Oil and gas field services	38	2	99	481	(NA)	(NA)	(NA)	(NA)	(NA)	2,423	(NA)	(NA)	(NA)
144	Nonmetallic minerals mining (Sand and gravel)	11	8	367	1,670	355	892	1,623	3,929	1,468	4,755	642	386	3,581
13	Comanche	14	...	14	78	(NA)	(NA)	(NA)	(NA)	(NA)	296	(NA)	[6]16	(NA)
13	Concho	8	...	6	29	(NA)	(NA)	(NA)	(NA)	(NA)	173	(NA)	[6]56	(NA)
13	Cooke (mineral industries only)	133	11	857	4,595	(NA)	(NA)	(NA)	(NA)	(NA)	29,402	(NA)	[6]408	(NA)
131	Crude petroleum and natural gas	79	6	425	2,443	(NA)	(NA)	(NA)	(NA)	(NA)	22,427	(NA)	(NA)	(NA)
	Cottle	7	...	12	61	(NA)	(NA)	(NA)	(NA)	(NA)	243	(NA)	(NA)	(NA)
	Crane, total	197	22	1,821	9,901	(NA)	(NA)	(NA)	(NA)	(NA)	120,459	(NA)	[6]832	(NA)
131	Crude petroleum and natural gas	99	8	973	5,593	(NA)	(NA)	(NA)	(NA)	(NA)	97,051	(NA)	741	(NA)
138	Oil and gas field services	92	10	691	3,360	(NA)	(NA)	(NA)	(NA)	(NA)	11,517	(NA)	(NA)	(NA)
132& 147	Natural gas liquids and Chemical and fertilizer minerals	6	4	157	948	140	292	832	6,869	13,202	11,891	8,180	91	(NA)
13	Crockett	126	3	438	2,385	(NA)	(NA)	(NA)	(NA)	(NA)	22,965	(NA)	[6]367	(NA)
131	Crude petroleum and natural gas	76	2	273	1,569	(NA)	(NA)	(NA)	(NA)	(NA)	20,813	(NA)	(NA)	(NA)
	Crosby	20	1	56	366	(NA)	(NA)	(NA)	(NA)	(NA)	2,068	(NA)	[6]13	(NA)
131	Crude petroleum and natural gas	11	...	16	92	(NA)	(NA)	(NA)	(NA)	(NA)	1,164	(NA)	13	(NA)
	Culberson	29	...	47	236	(NA)	(NA)	(NA)	(NA)	(NA)	2,244	(NA)	(NA)	(NA)
	Dallas (mineral industries only)	136	28	4,804	29,183	(NA)	(NA)	(NA)	(NA)	(NA)	9,264	(NA)	[6]4,183	(NA)
13	Oil and gas extraction	98	18	4,286	26,973	(NA)	(NA)	(NA)	(NA)	(NA)	1,333	(NA)	[6]3,750	(NA)
138	Oil and gas field services	18	2	511	2,825	(NA)	(NA)	(NA)	(NA)	(NA)	1,185	(NA)	(NA)	(NA)
10& 14	Metal mining and Nonmetallic minerals mining (mineral industries only)	38	10	518	2,210	408	1,046	1,493	5,692	3,014	7,931	775	433	3,268
	Crushed and broken stone (including operations in manufactures)	4	3	[4]121	[4]596	[4]104	222	473	2,583	(D)	[4]3,067	(D)	(NA)	(NA)
144	Sand and gravel	32	7	414	1,747	324	849	1,172	4,515	2,059	6,247	327	(NA)	(NA)
	Dawson	83	2	245	1,252	(NA)	(NA)	(NA)	(NA)	(NA)	14,010	(NA)	[6]117	(NA)
	Crude petroleum and natural gas	52	...	86	494	(NA)	(NA)	(NA)	(NA)	(NA)	12,114	(NA)	(NA)	(NA)
	Deaf Smith	8	2	45	238	(NA)	(NA)	(NA)	(NA)	(NA)	374	(NA)	(NA)	(NA)
	Delta	3	...	6	29	(NA)	(NA)	(NA)	(NA)	(NA)	44	(NA)	(NA)	(NA)
	Denton	24	1	94	470	(NA)	(NA)	(NA)	(NA)	(NA)	679	(NA)	[6]65	(NA)
13	De Witt, total	74	2	210	1,086	(NA)	(NA)	(NA)	(NA)	(NA)	10,953	(NA)	[6]113	(NA)
131	Crude petroleum and natural gas	38	...	74	425	(NA)	(NA)	(NA)	(NA)	(NA)	8,592	(NA)	(NA)	(NA)
138	Oil and gas field services	36	2	136	661	(NA)	(NA)	(NA)	(NA)	(NA)	2,361	(NA)	(NA)	(NA)
13	Dickens	13	1	71	391	(NA)	(NA)	(NA)	(NA)	(NA)	498	(NA)	[6]14	(NA)
13	Dimmit	28	1	93	479	(NA)	(NA)	(NA)	(NA)	(NA)	2,098	(NA)	[6]32	(NA)
	Crude petroleum and natural gas	10	...	31	178	(NA)	(NA)	(NA)	(NA)	(NA)	1,556	(NA)	32	(NA)
13	Donley	4	...	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	404	(NA)	(NA)	(NA)
	Duval	172	10	903	4,986	(NA)	(NA)	(NA)	(NA)	(NA)	37,856	(NA)	[6]744	(NA)
	Crude petroleum and natural gas	113	8	616	3,541	(NA)	(NA)	(NA)	(NA)	(NA)	32,283	(NA)	667	(NA)

See footnotes at end of table

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Eastland (mineral industries only), total	89	6	421	2,086	(NA)	(NA)	(NA)	(NA)	(NA)	7,375	(NA)	[6]377	(NA)
13	Oil and gas extraction	85	4	344	1,805	(NA)	(NA)	(NA)	(NA)	(NA)	6,276	(NA)	[6]350	(NA)
131	Crude petroleum and natural gas	52	2	164	942	(NA)	(NA)	(NA)	(NA)	(NA)	2,769	(NA)	198	(NA)
132	Natural gas liquids	6	2	117	557	107	221	491	980	2,129	3,048	61	152	1,209
14	Nonmetallic minerals mining (mineral industries only)	4	2	77	281	71	169	235	630	480	1,099	11	27	(NA)
	Ector, total	347	66	5,996	31,396	(NA)	(NA)	(NA)	(NA)	(NA)	257,174	(NA)	[6]2,671	(NA)
	Oil and gas extraction, total	341	64	5,922	31,033	(NA)	(NA)	(NA)	(NA)	(NA)	255,488	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	152	16	2,020	11,611	(NA)	(NA)	(NA)	(NA)	(NA)	178,071	(NA)	2,007	(NA)
132	Natural gas liquids	6	5	405	2,423	336	677	1,961	16,586	14,088	29,933	741	664	9,902
138	Oil and gas field services	183	43	3,497	16,999	(NA)	(NA)	(NA)	(NA)	(NA)	47,484	(NA)	(NA)	(NA)
10&14	Metal mining and Nonmetallic minerals mining	6	2	74	363	63	128	306	1,402	287	1,686	3	664	9,902
138	Edwards	3	2	52	253	(NA)	(NA)	(NA)	(NA)	(NA)	104	(NA)	[6]25	(NA)
	Ellis:													
	Including operations in manufactures	8	...	13	33	(NA)	(NA)	(NA)	(NA)	(NA)	131	(NA)	[6]18	(NA)
	Mineral industries only	5	...	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	37	(NA)	(NA)	(NA)
	El Paso (mineral industries only)	8	4	1,673	9,191	(NA)	(NA)	(NA)	(NA)	(NA)	1,423	(NA)	[6]201	1,245
13	Erath	8	1	39	191	(NA)	(NA)	(NA)	(NA)	(NA)	160	(NA)	(NA)	(NA)
13	Falls	5	...	3	15	(NA)	(NA)	(NA)	(NA)	(NA)	45	(NA)	(NA)	(NA)
	Fayette	17	1	96	429	(NA)	(NA)	(NA)	(NA)	(NA)	1,874	(NA)	[6]134	(NA)
14	Nonmetallic minerals mining	4	1	61	233	57	129	224	823	317	1,065	75	104	1,082
	Fisher (mineral industries only)	107	4	256	1,413	(NA)	(NA)	(NA)	(NA)	(NA)	15,855	(NA)	[6]201	(NA)
131	Crude petroleum and natural gas	70	4	185	1,063	(NA)	(NA)	(NA)	(NA)	(NA)	14,121	(NA)	(NA)	(NA)
134	Floyd	3	...	5	24	(NA)	(NA)	(NA)	(NA)	(NA)	87	(NA)	(NA)	(NA)
13	Foard	14	...	35	187	(NA)	(NA)	(NA)	(NA)	(NA)	1,912	(NA)	[6]15	(NA)
131	Crude petroleum and natural gas	7	...	19	109	(NA)	(NA)	(NA)	(NA)	(NA)	1,654	(NA)	15	(NA)
	Fort Bend	92	6	812	4,507	(NA)	(NA)	(NA)	(NA)	(NA)	35,693	(NA)	1,005	(NA)
131	Crude petroleum and natural gas	44	1	281	1,615	(NA)	(NA)	(NA)	(NA)	(NA)	26,212	(NA)	565	(NA)
13	Franklin	22	1	131	740	(NA)	(NA)	(NA)	(NA)	(NA)	11,957	(NA)	[6]84	(NA)
131	Crude petroleum and natural gas	12	1	116	667	(NA)	(NA)	(NA)	(NA)	(NA)	11,674	(NA)	84	(NA)
131	Freestone (mineral industries only)	22	1	51	236	(NA)	(NA)	(NA)	(NA)	(NA)	3,096	(NA)	[6]34	(NA)
131	Crude petroleum and natural gas	11	...	15	86	(NA)	(NA)	(NA)	(NA)	(NA)	1,767	(NA)	(NA)	(NA)
	Frio	48	1	126	682	(NA)	(NA)	(NA)	(NA)	(NA)	6,761	(NA)	[6]186	(NA)
131	Crude petroleum and natural gas	32	1	78	448	(NA)	(NA)	(NA)	(NA)	(NA)	5,937	(NA)	186	(NA)
	Gaines	191	10	983	5,129	(NA)	(NA)	(NA)	(NA)	(NA)	75,739	(NA)	448	(NA)
131	Crude petroleum and natural gas	82	3	342	1,966	(NA)	(NA)	(NA)	(NA)	(NA)	66,123	(NA)	403	(NA)
13	Galveston, total	79	5	856	4,351	(NA)	(NA)	(NA)	(NA)	(NA)	37,440	(NA)	[6]468	(NA)
131	Crude petroleum and natural gas	27	3	214	1,230	(NA)	(NA)	(NA)	(NA)	(NA)	28,469	(NA)	468	(NA)
138	Oil and gas field services	52	2	642	3,121	(NA)	(NA)	(NA)	(NA)	(NA)	8,971	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.–General Statistics by Selected Industry Groups, for Counties: 1958 and 1954–Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Garza	115	6	413	2,162	(NA)	(NA)	(NA)	(NA)	(NA)	17,712	(NA)	[6]160	(NA)
131	Crude petroleum and natural gas	70	3	175	1,006	(NA)	(NA)	(NA)	(NA)	(NA)	13,625	(NA)	(NA)	(NA)
144	Gillespie	3	...	38	5	3	2	5	39	12	40	11	26	(D)
13	Glasscock	56	1	112	620	(NA)	(NA)	(NA)	(NA)	(NA)	7,015	(NA)	[6]167	(NA)
131	Crude petroleum and natural gas	44	1	85	489	(NA)	(NA)	(NA)	(NA)	(NA)	6,628	(NA)	167	(NA)
13	Goliad, total	56	1	242	1,317	(NA)	(NA)	(NA)	(NA)	(NA)	13,703	(NA)	[6]106	(NA)
131	Crude petroleum and natural gas	44	1	159	914	(NA)	(NA)	(NA)	(NA)	(NA)	12,563	(NA)	106	(NA)
138	Oil and gas field services	12	...	83	403	(NA)	(NA)	(NA)	(NA)	(NA)	1,140	(NA)	(NA)	(NA)
	Gonzales	13	...	15	62	(NA)	(NA)	(NA)	(NA)	(NA)	552	(NA)	[6 8]19	(NA)
13	Gray, total	161	20	1,527	8,363	(NA)	(NA)	(NA)	(NA)	(NA)	66,406	(NA)	[6 9]1,289	(NA)
131	Crude petroleum and natural gas	101	9	886	5,085	(NA)	(NA)	(NA)	(NA)	(NA)	47,694	(NA)	1,110	(NA)
132	Natural gas liquids	7	5	199	1,129	189	383	1,066	4,792	10,286	12,946	2,132	[9]179	[9]3,480
138	Oil and gas field services	53	6	442	2,149	(NA)	(NA)	(NA)	(NA)	(NA)	5,766	(NA)	(NA)	(NA)
	Grayson	91	2	317	1,739	(NA)	(NA)	(NA)	(NA)	(NA)	22,865	(NA)	[6]245	(NA)
131	Crude petroleum and natural gas	54	2	185	1,063	(NA)	(NA)	(NA)	(NA)	(NA)	20,611	(NA)	(NA)	(NA)
	Gregg, total	317	19	2,403	13,518	(NA)	(NA)	(NA)	(NA)	(NA)	104,054	(NA)	[6]2,696	(NA)
131	Crude petroleum and natural gas	258	11	1,847	10,616	(NA)	(NA)	(NA)	(NA)	(NA)	93,167	(NA)	2,371	(NA)
132	Natural gas liquids	6	6	258	1,453	230	425	1,232	5,084	3,160	7,764	480	325	7,954
138	Oil and gas field services	53	2	298	1,449	(NA)	(NA)	(NA)	(NA)	(NA)	3,123	(NA)	(NA)	(NA)
	Grimes	8	...	13	58	(NA)	(NA)	(NA)	(NA)	(NA)	149	(NA)	(NA)	(NA)
13	Guadalupe (mineral industries only)	66	2	270	1,483	(NA)	(NA)	(NA)	(NA)	(NA)	12,762	(NA)	[6]141	(NA)
131	Crude petroleum and natural gas	44	1	193	1,109	(NA)	(NA)	(NA)	(NA)	(NA)	12,252	(NA)	141	(NA)
13	Hale	9	...	26	129	(NA)	(NA)	(NA)	(NA)	(NA)	5,393	(NA)	(NA)	(NA)
13	Hamilton	3	...	2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	245	(NA)	(NA)	(NA)
13	Hansford	50	7	601	3,237	(NA)	(NA)	(NA)	(NA)	(NA)	35,052	(NA)	[6]51	(NA)
	Crude petroleum and natural gas	26	2	237	1,362	(NA)	(NA)	(NA)	(NA)	(NA)	12,965	(NA)	(NA)	(NA)
13	Hardeman (mineral industries only)	6	...	15	74	(NA)	(NA)	(NA)	(NA)	(NA)	176	(NA)	(NA)	(NA)
13	Hardin	114	6	646	3,512	(NA)	(NA)	(NA)	(NA)	(NA)	33,486	(NA)	[6 9]450	(NA)
131	Crude petroleum and natural gas	58	3	360	2,069	(NA)	(NA)	(NA)	(NA)	(NA)	23,942	(NA)	398	(NA)
	Harris, total:													
	Including operations in manufactures	393	78	[4]13,291	[4]87,496	(NA)	(NA)	(NA)	(NA)	(NA)	[4]116,922	(NA)	[6]10,978	(NA)
	Mineral industries only	383	78	13,273	87,424	(NA)	(NA)	(NA)	(NA)	(NA)	116,617	(NA)	10,933	(NA)
13	Oil and gas extraction, total	364	77	13,011	85,792	(NA)	(NA)	(NA)	(NA)	(NA)	114,577	(NA)	[6]10,770	(NA)
131	Crude petroleum and natural gas	190	47	10,522	73,162	(NA)	(NA)	(NA)	(NA)	(NA)	73,293	(NA)	10,532	(NA)
132	Natural gas liquids	5	5	151	863	138	276	720	5,488	(D)	24,421	(D)	238	3,136
138	Oil and gas field services	169	25	2,338	11,767	(NA)	(NA)	(NA)	(NA)	(NA)	16,863	(NA)	(NA)	(NA)
10&14	Metal mining and Nonmetallic minerals mining (mineral industries only)	19	1	262	1,632	148	348	532	1,596	532	2,040	88	163	1,644
	Harrison, total (mineral industries only)	95	8	526	2,704	(NA)	(NA)	(NA)	(NA)	(NA)	34,374	(NA)	[6]284	(NA)
131	Crude petroleum and natural gas	52	3	224	1,288	(NA)	(NA)	(NA)	(NA)	(NA)	13,353	(NA)	162	(NA)
138	Oil and gas field services	37	1	123	598	(NA)	(NA)	(NA)	(NA)	(NA)	1,685	(NA)	(NA)	(NA)
121& 132	Lignite and Natural gas liquids	6	4	179	818	121	272	608	8,377	11,226	19,336	267	122	3,829
13	Haskell, total	91	1	239	1,283	(NA)	(NA)	(NA)	(NA)	(NA)	12,607	(NA)	[6]112	(NA)
131	Crude petroleum and natural gas	48	1	137	787	(NA)	(NA)	(NA)	(NA)	(NA)	10,753	(NA)	(NA)	(NA)
138	Oil and gas field services	43	...	102	496	(NA)	(NA)	(NA)	(NA)	(NA)	1,854	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Hemphill	10	...	38	193	(NA)	(NA)	(NA)	(NA)	(NA)	499	(NA)	(NA)	(NA)
	Henderson (mineral industries only)	23	4	263	1,307	(NA)	(NA)	(NA)	(NA)	(NA)	7,336	(NA)	[6]197	(NA)
131	Crude petroleum and natural gas	12	1	125	719	(NA)	(NA)	(NA)	(NA)	(NA)	2,280	(NA)	99	(NA)
	Hidalgo (mineral industries only), total	98	14	752	3,933	(NA)	(NA)	(NA)	(NA)	(NA)	32,830	(NA)	[6]295	(NA)
131	Crude petroleum and natural gas	36	5	269	1,546	(NA)	(NA)	(NA)	(NA)	(NA)	19,510	(NA)	166	(NA)
138	Oil and gas field services	58	6	389	1,891	(NA)	(NA)	(NA)	(NA)	(NA)	6,002	(NA)	(NA)	(NA)
132& 142	Natural gas liquids and Crushed and broken stone	4	3	94	496	87	191	342	765	(D)	7,318	(D)	[10]129	[10]3,521
13	Hockley	101	8	836	4,612	(NA)	(NA)	(NA)	(NA)	(NA)	50,604	(NA)	[6]614	(NA)
131	Crude petroleum and natural gas	55	2	378	2,173	(NA)	(NA)	(NA)	(NA)	(NA)	38,870	(NA)	(NA)	(NA)
	Hopkins (mineral industries only)	17	1	134	860	(NA)	(NA)	(NA)	(NA)	(NA)	5,730	(NA)	[6]139	(NA)
131	Crude petroleum and natural gas	9	...	72	414	(NA)	(NA)	(NA)	(NA)	(NA)	3,634	(NA)	(NA)	(NA)
13	Houston	29	3	545	2,670	(NA)	(NA)	(NA)	(NA)	(NA)	10,590	(NA)	[6]96	(NA)
131	Oil and gas field services	15	1	471	2,290	(NA)	(NA)	(NA)	(NA)	(NA)	7,567	(NA)	(NA)	(NA)
	Howard	143	10	1,026	5,551	(NA)	(NA)	(NA)	(NA)	(NA)	48,462	(NA)	[6]528	(NA)
131	Crude petroleum and natural gas	102	3	619	3,558	(NA)	(NA)	(NA)	(NA)	(NA)	39,784	(NA)	(NA)	(NA)
	Hudspath	6	...	23	69	(NA)	(NA)	(NA)	(NA)	(NA)	244	(NA)	55	419
	Hunt	9	...	10	51	(NA)	(NA)	(NA)	(NA)	(NA)	137	(NA)	(NA)	(NA)
	Hutchinson	186	19	2,316	12,845	(NA)	(NA)	(NA)	(NA)	(NA)	201,130	(NA)	[6]2,012	(NA)
131	Crude petroleum and natural gas	126	6	958	5,417	(NA)	(NA)	(NA)	(NA)	(NA)	48,707	(NA)	986	(NA)
13	Irion	25	...	48	242	(NA)	(NA)	(NA)	(NA)	(NA)	2,363	(NA)	[6]11	(NA)
131	Crude petroleum and natural gas	15	...	10	57	(NA)	(NA)	(NA)	(NA)	(NA)	1,964	(NA)	11	(NA)
13	Jack	189	4	664	3,499	(NA)	(NA)	(NA)	(NA)	(NA)	18,274	(NA)	[6]471	(NA)
131	Crude petroleum and natural gas	117	1	321	1,845	(NA)	(NA)	(NA)	(NA)	(NA)	13,349	(NA)	(NA)	(NA)
13	Jackson	137	9	1,077	5,850	(NA)	(NA)	(NA)	(NA)	(NA)	44,449	(NA)	[6]553	(NA)
131	Crude petroleum and natural gas	76	2	667	3,834	(NA)	(NA)	(NA)	(NA)	(NA)	38,034	(NA)	(NA)	(NA)
13	Jasper	19	...	28	143	(NA)	(NA)	(NA)	(NA)	(NA)	2,163	(NA)	[6]125	(NA)
131	Crude petroleum and natural gas	3	...	8	46	(NA)	(NA)	(NA)	(NA)	(NA)	1,609	(NA)	(NA)	(NA)
	Jefferson (mineral industries only)	123	12	2,113	11,721	(NA)	(NA)	(NA)	(NA)	(NA)	59,501	(NA)	[6]1,448	(NA)
131	Crude petroleum and natural gas	37	2	1,169	6,719	(NA)	(NA)	(NA)	(NA)	(NA)	29,584	(NA)	1,163	(NA)
13	Jim Hogg	35	...	188	1,074	(NA)	(NA)	(NA)	(NA)	(NA)	6,241	(NA)	[6]182	(NA)
131	Crude petroleum and natural gas	22	...	181	1,040	(NA)	(NA)	(NA)	(NA)	(NA)	5,570	(NA)	182	(NA)
13	Jim Wells	134	9	1,154	6,353	(NA)	(NA)	(NA)	(NA)	(NA)	78,957	(NA)	[69]1,157	(NA)
131	Crude petroleum and natural gas	68	3	479	2,754	(NA)	(NA)	(NA)	(NA)	(NA)	49,543	(NA)	885	(NA)
	Johnson (mineral industries only)	3	...	8	33	(NA)	(NA)	(NA)	(NA)	(NA)	143	(NA)	(NA)	(NA)
	Jones (mineral industries only)	185	7	573	3,134	(NA)	(NA)	(NA)	(NA)	(NA)	19,450	(NA)	[6]686	(NA)
131	Crude petroleum and natural gas	111	4	369	2,121	(NA)	(NA)	(NA)	(NA)	(NA)	15,053	(NA)	610	(NA)
13	Karnes	46	1	129	674	(NA)	(NA)	(NA)	(NA)	(NA)	13,209	(NA)	[6]117	(NA)
131	Crude petroleum and natural gas	22	...	40	230	(NA)	(NA)	(NA)	(NA)	(NA)	6,681	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Kaufman	13	...	40	195	(NA)	(NA)	(NA)	(NA)	(NA)	2,479	(NA)	[6]52	(NA)
131	Crude petroleum and natural gas	7	...	13	75	(NA)	(NA)	(NA)	(NA)	(NA)	2,022	(NA)	(NA)	(NA)
13	Kenedy	14	1	73	381	(NA)	(NA)	(NA)	(NA)	(NA)	3,519	(NA)	(NA)	(NA)
138	Oil and gas field services	9	1	44	214	(NA)	(NA)	(NA)	(NA)	(NA)	1,072	(NA)	(NA)	(NA)
	Kent	36	1	130	724	(NA)	(NA)	(NA)	(NA)	(NA)	21,024	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	16	1	102	586	(NA)	(NA)	(NA)	(NA)	(NA)	20,272	(NA)	56	(NA)
13	King	24	...	39	210	(NA)	(NA)	(NA)	(NA)	(NA)	3,088	(NA)	[6]33	(NA)
131	Crude petroleum and natural gas	15	...	23	132	(NA)	(NA)	(NA)	(NA)	(NA)	2,753	(NA)	33	(NA)
	Kleberg	36	1	304	1,660	(NA)	(NA)	(NA)	(NA)	(NA)	20,063	(NA)	[6]318	(NA)
131	Crude petroleum and natural gas	10	...	214	1,230	(NA)	(NA)	(NA)	(NA)	(NA)	18,235	(NA)	(NA)	(NA)
13	Knox, total	104	2	226	1,184	(NA)	(NA)	(NA)	(NA)	(NA)	6,931	(NA)	[6]18	(NA)
131	Crude petroleum and natural gas	62	...	96	552	(NA)	(NA)	(NA)	(NA)	(NA)	5,699	(NA)	18	(NA)
138	Oil and gas field services	42	2	130	632	(NA)	(NA)	(NA)	(NA)	(NA)	1,232	(NA)	(NA)	(NA)
13	Lamb	19	...	80	424	(NA)	(NA)	(NA)	(NA)	(NA)	1,877	(NA)	[6]15	(NA)
131	Crude petroleum and natural gas	9	...	40	230	(NA)	(NA)	(NA)	(NA)	(NA)	1,586	(NA)	15	(NA)
13	La Salle	20	1	46	232	(NA)	(NA)	(NA)	(NA)	(NA)	1,441	(NA)	[6]44	(NA)
13	Lavaca	54	4	264	1,437	(NA)	(NA)	(NA)	(NA)	(NA)	24,570	(NA)	[6]89	(NA)
131	Crude petroleum and natural gas	22	1	78	448	(NA)	(NA)	(NA)	(NA)	(NA)	7,766	(NA)	(NA)	(NA)
13	Leon	12	...	8	44	(NA)	(NA)	(NA)	(NA)	(NA)	1,926	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	5	...	5	29	(NA)	(NA)	(NA)	(NA)	(NA)	1,695	(NA)	(NA)	(NA)
	Liberty	165	11	1,464	7,518	(NA)	(NA)	(NA)	(NA)	(NA)	59,355	(NA)	[6]1,007	(NA)
131	Crude petroleum and natural gas	67	3	600	3,449	(NA)	(NA)	(NA)	(NA)	(NA)	44,047	(NA)	763	(NA)
138	Oil and gas field services	92	5	487	2,367	(NA)	(NA)	(NA)	(NA)	(NA)	6,276	(NA)	(NA)	(NA)
13	Limestone (mineral industries only)	14	1	62	350	(NA)	(NA)	(NA)	(NA)	(NA)	1,173	(NA)	[6]134	(NA)
131	Crude petroleum and natural gas	9	1	55	316	(NA)	(NA)	(NA)	(NA)	(NA)	1,037	(NA)	134	(NA)
13	Lipscomb	23	1	152	780	(NA)	(NA)	(NA)	(NA)	(NA)	2,097	(NA)	(NA)	(NA)
138	Oil and gas field services	20	1	105	510	(NA)	(NA)	(NA)	(NA)	(NA)	1,637	(NA)	(NA)	(NA)
	Live Oak	108	2	310	1,600	(NA)	(NA)	(NA)	(NA)	(NA)	24,395	(NA)	[6]228	(NA)
131	Crude petroleum and natural gas	49	...	103	592	(NA)	(NA)	(NA)	(NA)	(NA)	13,116	(NA)	(NA)	(NA)
13	Loving, total	60	...	137	713	(NA)	(NA)	(NA)	(NA)	(NA)	7,002	(NA)	[6]75	(NA)
131	Crude petroleum and natural gas	32	...	53	305	(NA)	(NA)	(NA)	(NA)	(NA)	5,708	(NA)	75	(NA)
138	Oil and gas field services	28	...	84	408	(NA)	(NA)	(NA)	(NA)	(NA)	1,294	(NA)	(NA)	(NA)
	Lubbock	30	1	261	1,385	(NA)	(NA)	(NA)	(NA)	(NA)	3,355	(NA)	[6]158	(NA)
131	Crude petroleum and natural gas	19	...	131	753	(NA)	(NA)	(NA)	(NA)	(NA)	2,135	(NA)	(NA)	(NA)
13	Lynn	20	...	18	96	(NA)	(NA)	(NA)	(NA)	(NA)	1,176	(NA)	(NA)	(NA)
	McLennan (mineral industries only)	5	2	97	343	84	195	276	593	312	811	94	[6]53	(NA)
13	McMullen	48	1	111	574	(NA)	(NA)	(NA)	(NA)	(NA)	4,576	(NA)	[6]56	(NA)
131	Crude petroleum and natural gas	22	...	39	224	(NA)	(NA)	(NA)	(NA)	(NA)	3,641	(NA)	56	(NA)
13	Madison	14	...	56	288	(NA)	(NA)	(NA)	(NA)	(NA)	1,217	(NA)	[6]62	(NA)
13	Marion	47	6	287	1,502	(NA)	(NA)	(NA)	(NA)	(NA)	12,264	(NA)	[6]78	(NA)
131	Crude petroleum and natural gas	29	2	127	730	(NA)	(NA)	(NA)	(NA)	(NA)	9,674	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
13	Martin	15	...	25	138	(NA)	(NA)	(NA)	(NA)	(NA)	6,423	(NA)	[6]10	(NA)
131	Crude petroleum and natural gas	8	...	19	109	(NA)	(NA)	(NA)	(NA)	(NA)	6,037	(NA)	10	(NA)
13	Matagorda (mineral industries only)	95	5	548	2,969	(NA)	(NA)	(NA)	(NA)	(NA)	33,604	(NA)	[6]595	(NA)
131	Crude petroleum and natural gas	37	3	254	1,460	(NA)	(NA)	(NA)	(NA)	(NA)	22,994	(NA)	519	(NA)
	Maverick	15	2	82	398	(NA)	(NA)	(NA)	(NA)	(NA)	2,275	(NA)	(NA)	(NA)
13	Medina	18	1	63	358	(NA)	(NA)	(NA)	(NA)	(NA)	466	(NA)	[6]80	(NA)
13	Menard	6	...	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	171	(NA)	(NA)	(NA)
13	Midland, total	193	32	4,808	27,702	(NA)	(NA)	(NA)	(NA)	(NA)	62,485	(NA)	[6]2,943	(NA)
131	Crude petroleum and natural gas	100	22	3,590	21,728	(NA)	(NA)	(NA)	(NA)	(NA)	42,049	(NA)	2,810	(NA)
132	Natural gas liquids	4	4	156	837	138	263	742	5,847	5,445	10,990	302	133	4,257
138	Oil and gas field services	89	6	1,062	5,137	(NA)	(NA)	(NA)	(NA)	(NA)	9,446	(NA)	(NA)	(NA)
	Mitchell	71	1	196	1,024	(NA)	(NA)	(NA)	(NA)	(NA)	7,674	(NA)	[6]99	(NA)
131	Crude petroleum and natural gas	57	1	98	563	(NA)	(NA)	(NA)	(NA)	(NA)	5,778	(NA)	99	(NA)
	Montague	145	4	538	2,891	(NA)	(NA)	(NA)	(NA)	(NA)	18,929	(NA)	[6]463	(NA)
131	Crude petroleum and natural gas	91	3	333	1,914	(NA)	(NA)	(NA)	(NA)	(NA)	15,471	(NA)	(NA)	(NA)
13	Montgomery, total	81	7	635	3,641	(NA)	(NA)	(NA)	(NA)	(NA)	30,421	(NA)	[6]648	(NA)
131	Crude petroleum and natural gas	42	3	425	2,443	(NA)	(NA)	(NA)	(NA)	(NA)	23,255	(NA)	500	(NA)
132	Natural gas liquids	4	3	141	863	116	223	668	2,220	3,676	5,810	86	148	5,209
138	Oil and gas field services	35	1	69	335	(NA)	(NA)	(NA)	(NA)	(NA)	1,356	(NA)	(NA)	(NA)
13	Moore	36	5	508	2,749	(NA)	(NA)	(NA)	(NA)	(NA)	63.609	(NA)	[6]215	(NA)
131	Crude petroleum and natural gas	15	11	232	1,334	(NA)	(NA)	(NA)	(NA)	(NA)	24,123	(NA)	18	(NA)
132	Natural gas liquids	7	4	236	1,221	235	449	1,215	12,943	(D)	38,542	(D)	197	10,821
	Motley	12	...	43	188	(NA)	(NA)	(NA)	(NA)	(NA)	1,013	(NA)	(NA)	(NA)
	Nacogdoches (mineral industries only)	5	1	81	362	(NA)	(NA)	(NA)	(NA)	(NA)	482	(NA)	[6] [7]36	(NA)
	Navarro (mineral industries only)	50	2	250	1,346	(NA)	(NA)	(NA)	(NA)	(NA)	5,199	(NA)	[6]242	(NA)
131	Crude petroleum and natural gas	36	1	196	1,127	(NA)	(NA)	(NA)	(NA)	(NA)	4,235	(NA)	(NA)	(NA)
13	Newton, total	27	1	100	492	(NA)	(NA)	(NA)	(NA)	(NA)	6,409	(NA)	[6]16	(NA)
131	Crude petroleum and natural gas	8	...	7	40	(NA)	(NA)	(NA)	(NA)	(NA)	4,872	(NA)	16	(NA)
138	Oil and gas field services	19	1	93	452	(NA)	(NA)	(NA)	(NA)	(NA)	1,537	(NA)	(NA)	(NA)
	Nolan, total	125	5	517	2,640	(NA)	(NA)	(NA)	(NA)	(NA)	32,009	(NA)	(NA)	(NA)
	Mineral industries	121	4	456	2,375	(NA)	(NA)	(NA)	(NA)	(NA)	28,602	(NA)	[6]212	(NA)
	Included in manufactures	4	1	[4]61	[4]265	[4]61	122	265	3,051	[3]256	[4]3,407	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	60	1	205	1,178	(NA)	(NA)	(NA)	(NA)	(NA)	21,776	(NA)	188	(NA)
138	Oil and gas field services	55	3	196	954	(NA)	(NA)	(NA)	(NA)	(NA)	3,241	(NA)	(NA)	(NA)
132& 144	Natural gas liquids and Sand and gravel	6	...	55	243	44	99	194	2,526	1,270	3,585	211	24	109
	Nueces (mineral industries only), total	205	28	2,695	15,259	(NA)	(NA)	(NA)	(NA)	(NA)	97,800	(NA)	[6]1,957	(NA)
131	Crude petroleum and natural gas	100	9	1,736	10,424	(NA)	(NA)	(NA)	(NA)	(NA)	53,592	(NA)	1,426	(NA)
138	Oil and gas field services	90	7	570	2,771	(NA)	(NA)	(NA)	(NA)	(NA)	5,693	(NA)	(NA)	(NA)
132& 14	Natural gas liquids and Nonmetallic minerals mining	15	12	389	2,064	360	813	1,856	11,133	28,117	38,515	735	531	14,097
13	Ochiltree	15	5	503	2,616	(NA)	(NA)	(NA)	(NA)	(NA)	16,741	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	23	2	185	1,063	(NA)	(NA)	(NA)	(NA)	(NA)	10,833	(NA)	(NA)	(NA)
	Oldham	9	2	93	426	(NA)	(NA)	(NA)	(NA)	(NA)	2,996	(NA)	(NA)	(NA)
	Orange (mineral industries only)	59	5	543	2,967	(NA)	(NA)	(NA)	(NA)	(NA)	13,874	(NA)	[6]147	(NA)
	Crude petroleum and natural gas	29	3	355	2,041	(NA)	(NA)	(NA)	(NA)	(NA)	11,561	(NA)	147	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Palo Pinto (mineral industries only)	36	1	115	555	(NA)	(NA)	(NA)	(NA)	(NA)	2,689	(NA)	[6]97	(NA)
	Oil and gas extraction	35	1	108	524	(NA)	(NA)	(NA)	(NA)	(NA)	2,579	(NA)	(NA)	(NA)
13	Panola	73	7	555	3,109	(NA)	(NA)	(NA)	(NA)	(NA)	90,414	(NA)	[6]495	(NA)
131	Crude petroleum and natural gas	46	2	244	1,403	(NA)	(NA)	(NA)	(NA)	(NA)	38,037	(NA)	217	(NA)
132	Natural gas liquids	6	5	252	1,419	233	505	1,301	16,313	(D)	51,768	(D)	278	21,586
	Parker (mineral industries only)	17	1	57	279	(NA)	(NA)	(NA)	(NA)	(NA)	7,202	(NA)	[6]27	(NA)
131	Crude petroleum and natural gas	10	...	18	103	(NA)	(NA)	(NA)	(NA)	(NA)	1,987	(NA)	(NA)	(NA)
	Pecos	222	11	1,191	6,282	(NA)	(NA)	(NA)	(NA)	(NA)	58,103	(NA)	[6]693	(NA)
131	Crude petroleum and natural gas	107	4	528	3,035	(NA)	(NA)	(NA)	(NA)	(NA)	47,456	(NA)	680	(NA)
	Polk	36	2	161	828	(NA)	(NA)	(NA)	(NA)	(NA)	5,295	(NA)	[6]111	(NA)
131	Crude petroleum and natural gas	20	...	76	437	(NA)	(NA)	(NA)	(NA)	(NA)	4,362	(NA)	111	(NA)
	Potter	32	7	831	5,425	(NA)	(NA)	(NA)	(NA)	(NA)	8,074	(NA)	[6]339	(NA)
131	Crude petroleum and natural gas	22	3	680	4,729	(NA)	(NA)	(NA)	(NA)	(NA)	2,988	(NA)	252	(NA)
132& 144	Natural gas liquids and Sand and gravel	4	4	119	540	85	231	380	2,354	2,732	4,894	192	17	456
13	Reagan	106	5	569	3,145	(NA)	(NA)	(NA)	(NA)	(NA)	42,545	(NA)	[6]364	(NA)
131	Crude petroleum and natural gas	65	2	294	1,690	(NA)	(NA)	(NA)	(NA)	(NA)	25,105	(NA)	(NA)	(NA)
13	Red River	4	...	11	57	(NA)	(NA)	(NA)	(NA)	(NA)	58	(NA)	(NA)	(NA)
	Reeves	55	1	170	838	(NA)	(NA)	(NA)	(NA)	(NA)	4,919	(NA)	[6]73	(NA)
131	Crude petroleum and natural gas	17	...	76	437	(NA)	(NA)	(NA)	(NA)	(NA)	2,251	(NA)	28	(NA)
13	Refugio	105	7	658	3,554	(NA)	(NA)	(NA)	(NA)	(NA)	61,406	(NA)	[6]641	(NA)
131	Crude petroleum and natural gas	58	2	341	1,960	(NA)	(NA)	(NA)	(NA)	(NA)	55,940	(NA)	586	(NA)
13	Roberts, total	26	...	115	614	(NA)	(NA)	(NA)	(NA)	(NA)	6,498	(NA)	[6]65	(NA)
131	Crude petroleum and natural gas	11	...	62	356	(NA)	(NA)	(NA)	(NA)	(NA)	5,163	(NA)	65	(NA)
138	Oil and gas field services	15	...	53	258	(NA)	(NA)	(NA)	(NA)	(NA)	1,335	(NA)	(NA)	(NA)
	Robertson	9	1	53	237	(NA)	(NA)	(NA)	(NA)	(NA)	751	(NA)	[6]34	(NA)
	Runnels, total	126	5	570	3,036	(NA)	(NA)	(NA)	(NA)	(NA)	17,262	(NA)	[6]442	(NA)
131	Crude petroleum and natural gas	70	...	278	1,598	(NA)	(NA)	(NA)	(NA)	(NA)	11,134	(NA)	376	(NA)
138	Oil and gas field services	52	3	226	1,099	(NA)	(NA)	(NA)	(NA)	(NA)	3,526	(NA)	(NA)	(NA)
132& 144	Natural gas liquids and Sand and gravel	4	2	66	339	61	125	302	1,342	1,457	2,602	197	66	(NA)
	Rusk (mineral industries only), total	212	17	1,650	9,158	(NA)	(NA)	(NA)	(NA)	(NA)	81,137	(NA)	[6]1,785	(NA)
131	Crude petroleum and natural gas	160	6	1,114	6,403	(NA)	(NA)	(NA)	(NA)	(NA)	70,717	(NA)	1,540	(NA)
138	Oil and gas field services	46	6	316	1,536	(NA)	(NA)	(NA)	(NA)	(NA)	2,755	(NA)	(NA)	(NA)
132& 135	Natural gas liquids and Clay and related minerals (mineral industries only)	6	5	220	1,219	185	355	968	4,199	3,948	7,665	482	245	6,028
	San Jacinto	15	...	34	164	(NA)	(NA)	(NA)	(NA)	(NA)	2,211	(NA)	[6]25	(NA)
131	Crude petroleum and natural gas	6	...	12	69	(NA)	(NA)	(NA)	(NA)	(NA)	1,804	(NA)	(NA)	(NA)
	San Patricio	165	10	866	4,646	(NA)	(NA)	(NA)	(NA)	(NA)	52,812	(NA)	[6]704	(NA)
131	Crude petroleum and natural gas	94	3	462	2,656	(NA)	(NA)	(NA)	(NA)	(NA)	35,889	(NA)	588	(NA)
13	Schleicher	40	3	225	1,208	(NA)	(NA)	(NA)	(NA)	(NA)	11,484	(NA)	[6]99	(NA)
131	Crude petroleum and natural gas	24	1	104	598	(NA)	(NA)	(NA)	(NA)	(NA)	7,764	(NA)	99	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Scurry (mineral industries only), total	181	16	1,608	9,396	(NA)	(NA)	(NA)	(NA)	(NA)	122,923	(NA)	[6]680	(NA)
131	Crude petroleum and natural gas	94	2	684	3,932	(NA)	(NA)	(NA)	(NA)	(NA)	102,379	(NA)	449	(NA)
138	Oil and gas field services	81	10	712	3,462	(NA)	(NA)	(NA)	(NA)	(NA)	7,425	(NA)	(NA)	(NA)
132& 14	Natural gas liquids and Nonmetallic minerals mining (mineral industries only)	6	4	212	2,002	193	384	1,121	9,211	4,273	13,119	365	231	9,840
13	Shackelford	176	3	470	2,572	(NA)	(NA)	(NA)	(NA)	(NA)	10,524	(NA)	[6]343	(NA)
131	Crude petroleum and natural gas	113	2	327	1,880	(NA)	(NA)	(NA)	(NA)	(NA)	7,808	(NA)	320	(NA)
13	Shelby	11	1	44	247	(NA)	(NA)	(NA)	(NA)	(NA)	1,133	(NA)	[6]10	(NA)
13	Sherman	23	...	31	166	(NA)	(NA)	(NA)	(NA)	(NA)	17,956	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	13	...	18	103	(NA)	(NA)	(NA)	(NA)	(NA)	17,615	(NA)	(NA)	(NA)
	Smith	74	6	925	5,260	(NA)	(NA)	(NA)	(NA)	(NA)	10,750	(NA)	[6]670	(NA)
131	Crude petroleum and natural gas	32	3	672	4,066	(NA)	(NA)	(NA)	(NA)	(NA)	6,733	(NA)	625	(NA)
	Starr (mineral industries only)	71	4	434	2,367	(NA)	(NA)	(NA)	(NA)	(NA)	27,769	(NA)	[6]445	(NA)
131	Crude petroleum and natural gas	40	...	198	1,138	(NA)	(NA)	(NA)	(NA)	(NA)	20,373	(NA)	340	(NA)
	Stephens, total	140	6	588	3,111	(NA)	(NA)	(NA)	(NA)	(NA)	13,764	(NA)	[6]443	(NA)
131	Crude petroleum and natural gas	92	2	269	1,546	(NA)	(NA)	(NA)	(NA)	(NA)	9,790	(NA)	316	(NA)
138	Oil and gas field services	43	2	208	1,012	(NA)	(NA)	(NA)	(NA)	(NA)	2,030	(NA)	(NA)	(NA)
132& 144	Natural gas liquids and Sand and gravel	5	2	111	553	103	188	502	1,267	734	1,944	57	[11]127	[11]1,463
13	Sterling	27	...	33	184	(NA)	(NA)	(NA)	(NA)	(NA)	1,962	(NA)	[6]13	(NA)
131	Crude petroleum and natural gas	20	...	27	155	(NA)	(NA)	(NA)	(NA)	(NA)	1,636	(NA)	13	(NA)
	Stonewall	113	1	342	1,861	(NA)	(NA)	(NA)	(NA)	(NA)	23,781	(NA)	[6]283	(NA)
131	Crude petroleum and natural gas	63	...	177	1,017	(NA)	(NA)	(NA)	(NA)	(NA)	19,987	(NA)	(NA)	(NA)
13	Sutton	18	1	173	941	(NA)	(NA)	(NA)	(NA)	(NA)	1,760	(NA)	[6]46	(NA)
138	Oil and gas field services	14	1	61	297	(NA)	(NA)	(NA)	(NA)	(NA)	1,234	(NA)	(NA)	(NA)
138	Swisher	4	1	38	185	(NA)	(NA)	(NA)	(NA)	(NA)	473	(NA)	(NA)	(NA)
	Tarrant (mineral industries only), total	65	6	1,593	9,854	(NA)	(NA)	(NA)	(NA)	(NA)	1,735	(NA)	[6]1,666	(NA)
13	Oil and gas extraction	52	5	1,514	9,542	(NA)	(NA)	(NA)	(NA)	(NA)	632	(NA)	[6]1,540	(NA)
103& 144	Metal mining and Sand and gravel (mineral industries only)	13	1	79	312	68	161	259	968	381	1,103	246	126	938
	Taylor (mineral industries only), total	181	9	1,135	5,930	(NA)	(NA)	(NA)	(NA)	(NA)	17,000	(NA)	[6]916	(NA)
131	Crude petroleum and natural gas	94	3	509	2,928	(NA)	(NA)	(NA)	(NA)	(NA)	11,474	(NA)	854	(NA)
13	Terrell	21	...	96	521	(NA)	(NA)	(NA)	(NA)	(NA)	2,288	(NA)	(NA)	(NA)
	Terry	42	5	468	2,478	(NA)	(NA)	(NA)	(NA)	(NA)	18,811	(NA)	[6]432	(NA)
131	Crude petroleum and natural gas	18	2	221	1,270	(NA)	(NA)	(NA)	(NA)	(NA)	15,591	(NA)	432	(NA)
138	Oil and gas field services	19	2	207	1,006	(NA)	(NA)	(NA)	(NA)	(NA)	1,964	(NA)	(NA)	(NA)
13& 14	Natural gas liquids and Nonmetallic minerals mining	5	1	40	202	35	97	177	907	620	1,256	271	(NA)	(NA)
13	Throckmorton, total	131	3	332	1,800	(NA)	(NA)	(NA)	(NA)	(NA)	15,229	(NA)	[6]137	(NA)
131	Crude petroleum and natural gas	75	2	210	1,207	(NA)	(NA)	(NA)	(NA)	(NA)	12,873	(NA)	137	(NA)
138	Oil and gas field services	56	1	122	593	(NA)	(NA)	(NA)	(NA)	(NA)	2,356	(NA)	(NA)	(NA)
13	Titus	22	1	251	1,359	(NA)	(NA)	(NA)	(NA)	(NA)	9,059	(NA)	[6]233	(NA)
131	Crude petroleum and natural gas	12	...	157	902	(NA)	(NA)	(NA)	(NA)	(NA)	8,585	(NA)	233	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
	Tom Green	65	1	285	1,532	(NA)	(NA)	(NA)	(NA)	(NA)	7,587	(NA)	[6]143	(NA)
131	Crude petroleum and natural gas	37	...	159	914	(NA)	(NA)	(NA)	(NA)	(NA)	6,106	(NA)	(NA)	(NA)
	Travis (including operations in manufactures)	9	4	278	987	(NA)	(NA)	(NA)	(NA)	(NA)	4,283	(NA)	[6] [8]163	(NA)
	Nonmetallic minerals mining (including operations in manufactures)	4	4	273	959	253	449	864	3,211	(D)	4,167	(D)	[8]137	[8]884
13	Tyler	23	1	90	471	(NA)	(NA)	(NA)	(NA)	(NA)	3,511	(NA)	[6]21	(NA)
131	Crude petroleum and natural gas	5	1	26	149	(NA)	(NA)	(NA)	(NA)	(NA)	2,300	(NA)	(NA)	(NA)
	Upshur	32	...	101	570	(NA)	(NA)	(NA)	(NA)	(NA)	9,181	(NA)	[6]197	(NA)
131	Crude petroleum and natural gas	19	...	92	529	(NA)	(NA)	(NA)	(NA)	(NA)	8,989	(NA)	(NA)	(NA)
13	Upton	179	11	1,031	5,508	(NA)	(NA)	(NA)	(NA)	(NA)	65,764	(NA)	[6]956	(NA)
131	Crude petroleum and natural gas	107	3	398	2,288	(NA)	(NA)	(NA)	(NA)	(NA)	45,365	(NA)	782	(NA)
13	Val Verde	6	...	50	264	(NA)	(NA)	(NA)	(NA)	(NA)	357	(NA)	(NA)	(NA)
13	Van Zandt	16	2	295	1,643	(NA)	(NA)	(NA)	(NA)	(NA)	18,538	(NA)	[6]258	(NA)
131	Crude petroleum and natural gas	8	1	206	1,184	(NA)	(NA)	(NA)	(NA)	(NA)	17,518	(NA)	(NA)	(NA)
13	Victoria	126	6	655	3,821	(NA)	(NA)	(NA)	(NA)	(NA)	27,794	(NA)	[6]608	(NA)
131	Crude petroleum and natural gas	68	...	289	1,661	(NA)	(NA)	(NA)	(NA)	(NA)	23,565	(NA)	(NA)	(NA)
	Walker	7	1	73	311	(NA)	(NA)	(NA)	(NA)	(NA)	840	(NA)	[6]62	(NA)
13	Waller	20	1	270	1,594	(NA)	(NA)	(NA)	(NA)	(NA)	27,187	(NA)	[6]293	(NA)
	Ward, total	144	12	1,343	7,248	(NA)	(NA)	(NA)	(NA)	(NA)	69,426	(NA)	[6]461	(NA)
131	Crude petroleum and natural gas	63	1	700	4,024	(NA)	(NA)	(NA)	(NA)	(NA)	55,240	(NA)	338	(NA)
138	Oil and gas field services	77	8	543	2,641	(NA)	(NA)	(NA)	(NA)	(NA)	10,333	(NA)	(NA)	(NA)
132& 147	Natural gas liquids and Chemical and fertilizer minerals	4	3	100	583	82	180	466	2,130	1,849	3,853	126	[10]123	[10]1,429
	Webb (mineral industries only)	79	1	223	1,188	(NA)	(NA)	(NA)	(NA)	(NA)	5,497	(NA)	[6]239	(NA)
131	Crude petroleum and natural gas	45	...	117	673	(NA)	(NA)	(NA)	(NA)	(NA)	3,921	(NA)	(NA)	(NA)
	Wharton	117	5	1,311	7,737	(NA)	(NA)	(NA)	(NA)	(NA)	60,841	(NA)	[6]1,212	(NA)
131	Crude petroleum and natural gas	65	2	302	1,736	(NA)	(NA)	(NA)	(NA)	(NA)	22,995	(NA)	(NA)	(NA)
13	Wheeler	67	2	268	1,429	(NA)	(NA)	(NA)	(NA)	(NA)	7,531	(NA)	[6]169	(NA)
131	Crude petroleum and natural gas	46	...	99	569	(NA)	(NA)	(NA)	(NA)	(NA)	4,600	(NA)	(NA)	(NA)
	Wichita, total	344	11	2,107	11,717	(NA)	(NA)	(NA)	(NA)	(NA)	37,189	(NA)	[6]1,977	(NA)
131	Crude petroleum and natural gas	235	4	1,380	8,100	(NA)	(NA)	(NA)	(NA)	(NA)	29,384	(NA)	1,815	(NA)
138	Oil and gas field services	103	5	640	3,112	(NA)	(NA)	(NA)	(NA)	(NA)	6,042	(NA)	(NA)	(NA)
132& 144	Natural gas liquids and Sand and gravel	6	2	87	505	78	150	455	1,266	642	1,763	145	162	2,048
13	Wilbarger	113	3	495	2,715	(NA)	(NA)	(NA)	(NA)	(NA)	17,339	(NA)	[6]363	(NA)
131	Crude petroleum and natural gas	73	2	341	1,960	(NA)	(NA)	(NA)	(NA)	(NA)	15,208	(NA)	(NA)	(NA)
13	Willacy	14	...	117	594	(NA)	(NA)	(NA)	(NA)	(NA)	6,337	(NA)	[6]128	(NA)
131	Crude petroleum and natural gas	5	...	28	161	(NA)	(NA)	(NA)	(NA)	(NA)	5,830	(NA)	128	(NA)
	Williamson (mineral industries only)	7	2	88	253	(NA)	(NA)	(NA)	(NA)	(NA)	510	(NA)	[6]53	(NA)
	Wilson (minerals industries only)	53	1	132	663	(NA)	(NA)	(NA)	(NA)	(NA)	2,913	(NA)	[6]36	(NA)
131	Crude petroleum and natural gas	32	...	39	224	(NA)	(NA)	(NA)	(NA)	(NA)	1,936	(NA)	36	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES													
13	Winkler, total	173	27	2,134	11,392	(NA)	(NA)	(NA)	(NA)	(NA)	86,573	(NA)	[6]1,268	(NA)
131	Crude petroleum and natural gas	69	5	1,002	5,759	(NA)	(NA)	(NA)	(NA)	(NA)	62,792	(NA)	1,075	(NA)
132	Natural gas liquids	5	4	162	917	129	283	709	3,923	4,040	6,880	1,083	193	2,246
138	Oil and gas field services	99	18	970	4,716	(NA)	(NA)	(NA)	(NA)	(NA)	16,901	(NA)	(NA)	(NA)
	Wise (mineral industries only), total	97	14	895	4,559	(NA)	(NA)	(NA)	(NA)	(NA)	27,825	(NA)	[6]242	(NA)
131	Crude petroleum and natural gas	40	2	220	1,265	(NA)	(NA)	(NA)	(NA)	(NA)	12,664	(NA)	68	(NA)
138	Oil and gas field services	50	6	360	1,750	(NA)	(NA)	(NA)	(NA)	(NA)	4,095	(NA)	(NA)	(NA)
132& 142	Natural gas liquids and Crushed and broken stone	7	6	315	1,544	282	556	1,299	7,593	5,948	11,066	2,475	174	1,708
13	Wood	97	4	603	3,255	(NA)	(NA)	(NA)	(NA)	(NA)	50,112	(NA)	[6]503	(NA)
131	Crude petroleum and natural gas	66	1	334	1,920	(NA)	(NA)	(NA)	(NA)	(NA)	46,086	(NA)	(NA)	(NA)
13	Yoakum	137	11	943	5,152	(NA)	(NA)	(NA)	(NA)	(NA)	52,288	(NA)	[6]548	(NA)
131	Crude petroleum and natural gas	77	4	451	2,592	(NA)	(NA)	(NA)	(NA)	(NA)	41,051	(NA)	(NA)	(NA)
	Young, total	314	5	1,153	6,082	(NA)	(NA)	(NA)	(NA)	(NA)	25,667	(NA)	651	(NA)
131	Crude petroleum and natural gas	204	2	605	3,453	(NA)	(NA)	(NA)	(NA)	(NA)	18,947	(NA)	626	(NA)
138	Oil and gas field services	106	3	511	2,484	(NA)	(NA)	(NA)	(NA)	(NA)	5,951	(NA)	(NA)	(NA)
132& 144	Natural gas liquids and Sand and gravel	4	...	37	145	34	74	136	410	601	769	242	25	298
13	Zapata	33	...	91	503	(NA)	(NA)	(NA)	(NA)	(NA)	2,973	(NA)	[6]61	(NA)
131	Crude petroleum and natural gas	14	...	68	391	(NA)	(NA)	(NA)	(NA)	(NA)	2,060	(NA)	61	(NA)
13	Zavala	9	1	61	321	(NA)	(NA)	(NA)	(NA)	(NA)	737	(NA)	(NA)	(NA)
13	Offshore	31	7	298	1,478	(NA)	(NA)	(NA)	(NA)	(NA)	7,135	(NA)	[6]178	(NA)
131	Crude petroleum and natural gas	6	2	34	195	(NA)	(NA)	(NA)	(NA)	(NA)	3,626	(NA)	178	(NA)
138	Oil and gas field services	25	5	264	1,283	(NA)	(NA)	(NA)	(NA)	(NA)	3,509	(NA)	(NA)	(NA)
13	Undistributed, total	816	74	8,939	50,158	(NA)	(NA)	(NA)	(NA)	(NA)	228,991	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	297	5	1,625	12,212	(NA)	(NA)	(NA)	(NA)	(NA)	93,906	(NA)	(NA)	(NA)
138	Oil and gas field services	519	69	7,314	37,946	(NA)	(NA)	(NA)	(NA)	(NA)	135,085	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by the State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]Excludes data for the Oil and Gas Field Services Industries.
[7]Includes data for mining operations in manufacturing establishments.
[8]Represents mineral industries only.
[9]Includes data for the Nonmetallic Minerals Mining Industries.
[10]Includes data for the Sand and Gravel Industry.
[11]Includes data for one establishment in the Crushed and Broken Stone Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and liguite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Texas, total.....	5,953	5,855	98	5	1	1	1	...	...	1	5	3	...	3,225	247	2069	8	5	37	13	191	11	18	64	24	8	11	5
No employees.....	472	466	6	...	...	...	...	...	...	1	...	...	...	400	3	49	2	...	...	...	9	...	2	6	...	...	...	1
1-4 employees.....	2,618	2,568	50	1	1	1	1	...	...	...	5	1	...	1,750	15	686	2	1	10	...	74	5	4	44	7	5	5	...
5-9 employees.....	898	883	15	1	...	...	...	...	...	...	...	...	...	431	24	387	1	2	1	1	35	...	2	11	...	1	...	1
10-19 employees...	804	789	15	...	...	...	...	...	...	...	...	...	...	309	46	389	...	...	4	7	33	3	2	2	5	...	1	3
20-49 employees...	762	752	10	2	...	...	...	...	...	...	...	1	...	196	111	377	3	1	15	5	33	2	7	1	4	...	3	1
50-99 employees...	258	257	1	...	...	...	...	...	...	...	...	...	...	75	39	126	...	...	6	...	5	1	1	...	2	1	2	...
100-249 employees.	93	92	1	1	...	...	...	...	...	...	...	1	...	34	9	38	...	1	1	...	2	...	...	...	5	1	...	...
250-499 employees.	24	24	...	...	...	...	...	...	...	...	...	...	...	16	...	8	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	11	11	...	...	...	...	...	...	...	...	...	...	...	6	...	4	...	...	...	...	...	...	...	...	1	...	...	...
1,000-2,499 employees.....	8	8	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	...	...	...	...	...	...	...	...	...	...	...
2,500 employees and over.....	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Anderson:																												
0-19 employees....	88	88	...	...	...	...	...	...	...	...	...	...	...	55	1	31	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	1	1	4	...	...	...	...	...	...	...	...	...	...	...	...
Andrews:																												
0-19 employees....	282	282	...	...	...	...	...	...	...	...	...	...	...	146	1	135	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	31	31	...	...	...	...	...	...	...	...	...	...	...	9	5	17	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Angelina:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	1	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Aransas:																												
0-19 employees....	54	54	...	...	...	...	...	...	...	...	...	...	...	38	1	15	...	...	...	...	...	...	...	...	...	...	...	...
Archer:																												
0-19 employees....	322	322	...	...	...	...	...	...	...	...	...	...	...	220	1	101	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Armstrong:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atascosa:																												
0-19 employees....	91	91	...	...	...	...	...	...	...	...	...	...	...	56	1	34	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Austin:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	14	...	11	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bailey:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bandera:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Bastrop:																												
0-19 employees....	16	11	5	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	5	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Baylor:																												
0-19 employees....	93	93	...	...	...	...	...	...	...	...	...	...	...	56	...	37	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bee:																												
0-19 employees....	127	127	...	...	...	...	...	...	...	...	...	...	...	76	...	51	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	2	2	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Bell:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Bexar:																											
0-19 employees....	95	90	5	...	1	...	...	...	...	...	...	...	...	56	...	15	...	...	1	1	15	...	...	4	2	...	...	...
20-99 employees...	8	7	1	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	2	1	...	...	...	...	...	...	1	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Blanco:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Borden:																											
0-19 employees....	90	90	...	...	...	...	...	...	...	...	...	...	...	50	...	39	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Bosque:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bowie:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	...	1	...	...	...	...	...	...
Brazoria:																											
0-19 employees....	120	120	...	...	...	...	...	...	...	...	...	...	...	59	...	60	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	4	4	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brazos:																											
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	4	...	4	...	...	...	...	...	1	...	...	...	...	...	...
Brewster:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...
Briscoe:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...
Brooks:																											
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	...	...	22	...	28	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brown:																											
0-19 employees....	84	83	1	...	...	...	...	...	...	...	...	...	...	56	...	27	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
Burleson:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burnet:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	1	...	3	2	...	2	...	...	...	...	...	...	1	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...
100-249 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Caldwell:																											
0-19 employees....	88	88	...	...	...	...	...	...	...	...	...	...	...	60	...	28	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Calhoun:																											
0-19 employees....	72	72	...	...	...	...	...	...	...	...	...	...	...	36	1	35	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Callahan:																											
0-19 employees....	148	148	...	...	...	...	...	...	...	...	...	...	...	88	...	60	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Cameron:																											
0-19 employees....	12	12	...	1	...	...	...	...	...	...	...	...	...	3	...	7	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Camp:																											
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	...	...	10	...	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Carson:																												
0-19 employees....	84	84	...	...	...	...	...	...	...	...	...	...	...	52	1	31	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Cass:																												
0-19 employees....	34	34	...	...	...	...	...	...	...	...	...	...	...	22	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Castro:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Chambers:																												
0-19 employees....	104	104	...	...	...	...	...	...	...	...	...	...	...	35	...	69	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	3	1	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cherokee:																												
0-19 employees....	46	46	...	1	...	...	...	...	...	...	...	...	...	21	1	22	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Childress:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	1	...	...	...	...	...	...	...
Clay:																												
0-19 employees....	124	124	...	...	...	...	...	...	...	...	...	...	...	79	1	43	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cochran:																												
0-19 employees....	94	94	...	...	...	...	...	...	...	...	...	...	...	68	...	26	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	...	...	...	...
Coke:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	...	...	32	...	18	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	1	2	3	...	...	...	...	1	...	...	...	...	...	...	...
Coleman:																												
0-19 employees....	157	156	1	...	...	...	...	...	...	...	...	...	...	110	2	44	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Collin:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Collingsworth:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Colorado:																												
0-19 employees....	69	69	...	...	...	...	...	...	...	...	...	...	...	30	...	36	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	1	3	2	...	...	...	...	8	...	...	...	...	...	...	...
Comal:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Comanche:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	9	...	5	...	...	...	...	...	...	...	...	...	...	...	...
Concho:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Cooke:																												
0-19 employees....	123	122	1	...	...	...	...	...	...	...	...	...	...	73	1	48	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coryell:																												
0-19 employees....	5	5	...	...	...	...	1	...	...	1	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...
Cottle:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	1	...	...	...	...	...	...	...
Crane:																												
0-19 employees....	175	175	...	...	...	...	...	...	...	...	...	...	...	91	1	82	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	21	21	...	...	...	...	...	...	...	...	...	...	...	7	4	10	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Crockett:																												
0-19 employees....	123	123	...	...	...	...	...	...	...	...	...	...	...	74	1	48	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Crosby:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	11	...	8	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Culberson:																												
0-19 employees....	29	29	...	...	...	...	...	...	...	...	...	...	...	2	...	25	...	...	...	...	...	...	...	...	2	...	...	...
Dallam:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Dallas:																												
0-19 employees....	115	108	7	...	...	...	...	...	...	1	...	...	...	64	...	16	...	...	...	1	25	...	...	6	...	1	1	...
20-99 employees...	27	26	1	...	...	...	...	...	...	...	...	...	...	14	...	2	...	...	2	1	7	...	1	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dawson:																												
0-19 employees....	81	81	...	...	...	...	...	...	...	...	...	...	...	52	...	29	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Deaf Smith:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Delta:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Denton:																												
0-19 employees....	24	23	1	...	...	...	...	...	...	...	...	...	...	11	...	8	...	...	...	...	4	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DeWitt:																												
0-19 employees....	72	72	...	...	...	...	...	...	...	...	...	...	...	38	...	34	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Dickens:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	5	...	7	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dimmit:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	10	...	17	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Donley:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Duval:																												
0-19 employees....	162	162	...	...	...	...	...	...	...	1	...	...	...	105	1	55	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	7	1	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastland:																												
0-19 employees....	85	83	2	...	...	...	...	...	...	...	...	...	...	50	4	27	...	...	...	...	1	1	1	1	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	2	...	...	...	...	...
Ector:																												
0-19 employees....	281	281	...	...	...	...	...	...	...	...	1	...	...	136	1	140	...	...	...	...	...	...	...	...	2	1	...	...
20-99 employees...	57	57	...	...	...	...	...	...	...	...	...	...	...	11	4	40	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	7	7	...	...	...	...	...	...	...	...	...	...	...	4	1	2	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Edwards:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Ellis:																												
0-19 employees....	8	5	3	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	3	...	...	...	...
El Paso:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	1	...	...	...	...	...	...
20-99 employees...	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	1	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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COUNTIES—Continued																											
Erath:																											
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Falls:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Fannin:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Fayette:																											
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	...	...	8	...	5	...	...	...	...	...	...	2	...	...	1	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Fisher:																											
0-19 employees....	105	103	2	...	...	...	...	...	...	...	...	...	...	66	1	36	...	...	...	...	...	...	...	...	...	...	...	2
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Floyd:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Foard:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	7	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Fort Bend:																											
0-19 employees....	86	86	...	...	...	...	...	...	...	...	...	...	...	43	...	43	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	1	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Franklin:																											
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	11	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Freestone:																											
0-19 employees....	22	21	1	...	...	...	...	...	...	...	...	...	...	11	...	10	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Frio:																											
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	31	...	16	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gaines:																											
0-19 employees....	181	181	...	...	...	...	...	...	...	...	...	...	...	79	...	101	...	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	3	2	5	...	...	...	...	...	...	...	...	...	...	...	...
Galveston:																											
0-19 employees....	74	74	...	...	...	...	...	...	...	...	...	...	...	24	...	50	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Garza:																											
0-19 employees....	109	109	...	...	...	...	...	...	...	...	1	...	...	67	...	41	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Gillespie:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Glasscock:																											
0-19 employees....	55	55	...	...	...	...	...	...	...	...	...	...	...	43	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Goliad:																											
0-19 employees....	55	55	...	...	...	...	...	...	...	...	...	...	...	43	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gonzales:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	1	...	...	...	...	...	1	...
Gray:																											
0-19 employees....	141	141	...	...	...	...	...	...	...	...	...	...	...	92	2	47	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	19	19	...	...	...	...	...	...	...	...	...	...	...	8	5	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grayson:																											
0-19 employees....	89	89	...	...	...	...	...	...	...	...	...	...	...	52	1	33	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
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COUNTIES—Continued																											
Gregg:																											
0-19 employees....	298	298	...	...	...	...	...	...	...	...	...	...	...	247	...	51	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	...	...	8	6	2	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
Grimes:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	1	...	...	...	...	...	...
Guadalupe:																											
0-19 employees....	65	64	1	...	...	...	...	...	...	...	...	...	...	43	...	21	...	...	...	...	...	...	...	1	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Hale:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	...	...	...	...	...	...	...	...	...	...
Hall:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...
Hamilton:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...
Hansford:																											
0-19 employees....	43	43	...	...	...	...	...	...	...	...	...	...	...	24	...	19	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Hardeman:																											
0-19 employees....	7	6	1	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	1
Hardin:																											
0-19 employees....	108	108	...	...	...	...	...	...	...	...	...	...	...	55	1	52	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	1	2	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Harris:																											
0-19 employees....	315	305	10	...	...	...	...	...	...	1	1	...	...	143	...	144	...	...	...	...	14	1	...	9	2	...	...	...
20-99 employees...	68	68	...	...	...	...	...	...	...	...	...	...	...	39	5	23	...	...	...	...	...	...	...	...	1	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	...	...	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Harrison:																											
0-19 employees....	90	87	3	...	...	...	...	...	...	...	...	...	...	49	2	36	...	...	...	...	...	...	...	3	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	1	...	3	3	1	...	...	...	...	...	...	...	...	...	...	...	...
Hartley:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Haskell:																											
0-19 employees....	90	90	...	...	...	...	...	...	...	...	...	...	...	47	...	43	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hays:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Hemphill:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	3	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Henderson:																											
0-19 employees....	22	19	3	...	...	...	...	...	...	...	...	...	...	11	...	7	...	...	...	...	...	...	1	3	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	1	...	...	...	...	...	...	...
Hidalgo:																											
0-19 employees....	85	84	1	...	...	...	...	...	...	...	...	...	...	31	1	52	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	5	1	6	...	...	2	...	...	...	...	...	...	...	...	...
Hill:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Hockley:																											
0-19 employees....	93	93	...	...	...	...	...	...	...	...	...	...	...	53	1	39	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	2	1	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Hood:																											
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Hopkins:																												
0-19 employees....	17	16	1	...	...	...	...	...	...	...	...	...	...	9	...	6	...	...	...	...	...	...	1	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Houston:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	12	...	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Howard:																												
0-19 employees....	133	133	...	...	...	...	...	...	...	...	...	...	...	99	...	32	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	3	1	6	...	...	...	...	...	...	...	...	...	...	...	...
Hudspeth:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	1	2	...
Hunt:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Hutchinson:																												
0-19 employees....	167	167	...	...	...	...	...	...	...	...	...	...	...	120	1	45	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	...	...	4	6	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Irion:																												
0-19 employees....	25	25	...	...	...	...	...	...	...	...	...	...	...	15	...	10	...	...	...	...	...	...	...	...	...	...	...	...
Jack:																												
0-19 employees....	185	185	...	...	...	...	...	...	...	...	...	...	...	116	1	68	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																												
0-19 employees....	128	128	...	...	...	...	...	...	...	...	...	...	...	74	...	54	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	1	2	5	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jasper:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	3	...	16	...	...	...	...	...	...	...	...	...	...	...	...
Jeff Davis:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																												
0-19 employees....	111	110	1	...	...	...	...	...	...	...	...	...	...	35	...	72	...	...	...	...	3	...	...	1	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	2	1	6	...	...	...	...	...	...	...	...	1	1	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...
Jim Hogg:																												
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	22	...	13	...	...	...	...	...	...	...	...	...	...	...	...
Jim Wells:																												
0-19 employees....	125	125	...	...	...	...	...	...	...	...	...	...	...	65	...	60	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Johnson:																												
0-19 employees....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	...	...	...	...	...	...	...
Jones:																												
0-19 employees....	179	178	1	...	...	...	...	...	...	...	...	...	...	107	...	71	...	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	4	1	1	...	...	...	...	1	...	...	...	...	...	...	...
Karnes:																												
0-19 employees....	45	45	...	...	...	...	...	...	...	...	...	...	...	22	1	22	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Kaufman:																												
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	7	...	4	...	...	1	...	1	...	...	...	...	...	...	...
Kendall:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Kenedy:																												
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	4	1	8	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

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COUNTIES—Continued																												
Kent:																												
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	15	...	19	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kerr:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
Kimble:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...
King:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	15	...	9	...	...	...	...	...	...	...	...	...	...	...	...
Kinney:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Kleberg:																												
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	...	...	10	1	22	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Knox:																												
0-19 employees....	102	102	...	...	...	...	...	...	...	...	...	...	...	62	...	40	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Lamar:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...
Lamb:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	9	...	10	...	...	...	...	...	...	...	...	...	...	...	...
Lampasas:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
La Salle:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	8	...	11	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lavaca:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	...	...	21	...	29	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Lee:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Leon:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	5	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Liberty:																												
0-19 employees....	154	154	...	...	...	...	...	...	...	...	...	...	...	64	3	87	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
Limestone:																												
0-19 employees....	14	13	1	...	...	...	...	...	...	...	...	...	...	8	...	5	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lipscomb:																												
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	3	...	19	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Live Oak:																												
0-19 employees....	106	106	...	...	...	...	...	...	...	...	...	...	...	49	...	56	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Llano:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...	1	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...
Loving:																												
0-19 employees....	60	60	...	...	...	...	...	...	...	...	...	...	...	32	...	28	...	...	...	...	...	...	...	...	...	...	...	...
Lubbock:																												
0-19 employees....	29	29	...	...	...	...	...	...	...	...	...	...	...	19	...	9	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lynn:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	...	...	...	...	11	...	9	...	...	...	...	...	...	...	...	...	...	...	...
McCullough:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
McLennan:																												
0-19 employees....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	2	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
McMullen:																												
0-19 employees....	47	47	...	...	...	...	...	...	...	...	...	...	...	22	...	25	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES--Continued																												
Madison:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	6	...	8	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																												
0-19 employees.....	41	41	...	...	...	...	...	...	...	...	...	...	...	27	...	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...
Martin:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	8	...	.7	...	...	...	...	...	...	...	...	...	...	...	...
Mason:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Matagorda:																												
0-19 employees....	91	90	1	...	...	...	...	...	...	...	...	...	...	34	2	54	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Maverick:																												
0-19 employees....	13	13	...	...	...	...	...	...	...	...	...	...	...	3	...	10	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...
Medina:																												
0-19 employees....	18	17	1	...	...	...	...	...	...	...	...	...	...	12	...	5	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Menard:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...
Midland:																												
0-19 employees....	161	161	...	...	...	...	...	...	...	...	...	...	...	78	...	83	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	32	32	...	...	...	...	...	...	...	...	...	...	...	22	4	6	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Milam:																												
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mills:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Mitchell:																												
0-19 employees....	78	78	...	...	...	...	...	...	...	...	...	...	...	56	...	21	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Montague:																												
0-19 employees....	141	141	...	...	...	...	...	...	...	...	...	...	...	88	...	52	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Montgomery:																												
0-19 employees....	74	74	...	...	...	...	...	...	...	...	...	...	...	39	1	34	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	3	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moore:																												
0-19 employees....	31	31	...	...	...	...	...	...	...	...	...	...	...	14	3	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morris:																												
100-249 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Motley:																												
0-19 employees....	12	12	...	...	...	...	...	...	...	...	...	...	...	1	...	6	...	...	...	...	5	...	...	...	...	...	...	...
Nacogdoches:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Navarro:																												
0-19 employees....	49	48	1	...	...	...	...	...	...	...	...	...	...	35	...	12	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Newton:																												
0-19 employees....	26	26	...	...	...	...	...	...	...	...	...	...	...	8	...	18	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Nolan:																												
0-19 employees....	120	117	3	...	...	...	...	...	...	...	...	...	...	59	4	52	...	...	...	1	2	...	...	1	...	...	...	1
20-99 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	1
Nueces:																												
0-19 employees....	178	177	1	...	...	...	...	...	...	...	...	...	...	91	3	83	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	28	28	...	...	...	...	...	...	...	...	...	...	...	9	10	7	...	...	1	...	1	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Ochiltree:																											
0-19 employees	46	46	...	...	...	...	...	...	...	...	...	...	...	21	1	24	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Oldham:																											
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	2	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
Orange:																											
0-19 employees	55	54	1	...	...	...	...	...	...	...	...	...	...	26	1	25	...	...	...	...	2	...	...	1	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...
Palo Pinto:																											
0-19 employees	37	35	2	...	...	...	...	...	...	...	...	...	...	21	1	12	...	...	...	...	1	...	...	2	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Panola:																											
0-19 employees	66	66	...	...	...	...	...	...	...	...	...	...	...	44	1	21	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	2	5	...	...	...	...	...	...	...	...	...	...	...	...
Parker:																											
0-19 employees	17	16	1	...	...	...	...	...	...	...	...	...	...	10	...	5	...	...	...	...	1	...	...	1	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Parmer:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Pecos:																											
0-19 employees	211	211	...	...	...	...	...	...	...	...	...	...	...	103	1	105	...	...	...	...	2	...	...	...	...	...	...
20-99 employees	11	11	...	...	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	...	...	...	...	...	...	...	...
Polk:																											
0-19 employees	34	34	...	...	...	...	...	...	...	...	...	...	...	20	...	13	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Potter:																											
0-19 employees	25	25	...	...	...	...	...	...	...	...	...	...	...	19	...	6	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	3	2	...	...	...	...	...	2	...	...	...	...	...	...
Randall:																											
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Reagan:																											
0-19 employees	101	101	...	...	...	...	...	...	...	...	...	...	...	63	1	37	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	2	2	1	...	...	...	...	...	...	...	...	...	...	...
Real:																											
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Red River:																											
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...
Reeves:																											
0-19 employees	54	54	...	...	...	...	...	...	...	...	...	...	...	17	1	36	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Refugio:																											
0-19 employees	98	98	...	...	...	...	...	...	...	...	...	...	...	56	1	41	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	2	1	4	...	...	...	...	...	...	...	...	...	...	...
Roberts:																											
0-19 employees	26	26	...	...	...	...	...	...	...	...	...	...	...	11	...	15	...	...	...	...	...	...	...	...	...	...	...
Robertson:																											
0-19 employees	8	8	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Runnels:																											
0-19 employees	121	121	...	...	...	...	...	...	...	...	...	...	...	70	1	49	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	...	...	...	2	3	...	...	...	...	...	...	...	...	...	...	...
Rusk:																											
0-19 employees	197	195	2	...	...	...	...	...	...	...	...	...	...	154	1	40	...	...	...	...	...	...	...	2	...	...	...
20-99 employees	16	16	...	...	...	...	...	...	...	...	...	...	...	5	4	6	...	...	...	...	...	...	1	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

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State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
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COUNTIES—Continued																												
Sabine:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
San Jacinta:																												
0-19 employees....	15	15	...	...	...	...	...	...	...	...	...	...	...	6	...	7	...	...	...	...	2	...	...	...	...	...	...	...
San Patricio:																												
0-19 employees....	155	155	...	...	...	...	...	...	...	...	...	...	...	91	1	59	...	...	3	...	1	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	2	2	5	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Schleicher:																												
0-19 employees....	37	37	...	...	...	...	...	...	...	...	...	...	...	23	1	13	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Scurry:																												
0-19 employees....	166	165	1	...	...	...	...	...	...	...	...	...	...	92	...	71	...	...	...	...	1	...	...	1	...	...	1	...
20-99 employees...	16	16	...	...	...	...	...	...	...	...	...	...	...	2	4	10	...	...	...	...	...	...	...	...	...	...	...	...
Shackelford:																												
0-19 employees....	173	173	...	...	...	...	...	...	...	...	...	...	...	111	2	60	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Shelby:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	8	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sherman:																												
0-19 employees....	23	23	...	...	...	...	...	...	...	...	...	...	...	13	...	10	...	...	...	...	...	...	...	...	...	...	...	...
Smith:																												
0-19 employees....	68	68	...	...	...	...	...	...	...	...	...	...	...	29	1	36	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Starr:																												
0-19 employees....	68	67	1	...	...	...	...	...	...	...	...	...	...	40	...	26	...	...	...	...	...	...	...	1	...	...	1	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...
Stephens:																												
0-19 employees....	134	134	...	...	...	...	...	...	...	...	...	...	...	90	2	41	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	2	2	2	...	...	...	...	...	...	...	...	...	...	...	...
Sterling:																												
0-19 employees....	27	27	...	...	...	...	...	...	...	...	...	...	...	20	...	7	...	...	...	...	...	...	...	...	...	...	...	...
Stonewall:																												
0-19 employees....	112	112	...	...	...	...	...	...	...	...	...	...	...	63	...	48	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Sutton:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	...	...	4	...	13	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Swisher:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Tarrant:																												
0-19 employees....	60	59	1	...	...	1	...	...	...	...	...	...	...	31	1	15	...	...	...	...	11	1	...	...	...	...	...	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	1	1	1	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Taylor:																												
0-19 employees....	173	172	1	...	...	...	...	...	...	...	...	...	...	91	1	79	...	...	...	...	1	...	...	1	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	5	...	...	...	...	1	...	...	...	...	...	...	...
Terrell:																												
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	2	...	19	...	...	...	...	...	...	...	...	...	...	...	...
Terry:																												
0-19 employees....	37	37	...	...	...	...	...	...	...	...	...	...	...	16	3	17	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	1	...	...	...

[1]See table 3 footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Throckmorton:																											
0-19 employees....	128	128	...	...	...	...	...	...	...	...	...	...	...	73	...	55	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...
Titus:																											
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	12	...	9	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Tom Green:																											
0-19 employees....	64	64	...	...	...	...	...	...	...	...	...	...	...	37	1	25	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Travis:																											
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Trinity:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Tyler:																											
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	4	1	17	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Upshur:																											
0-19 employees....	32	32	...	...	...	...	...	...	...	...	...	...	...	19	...	12	...	...	...	...	1	...	...	...	...	...	...
Upton:																											
0-19 employees....	168	168	...	...	...	...	...	...	...	...	...	...	...	104	1	63	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	3	3	5	...	...	...	...	...	...	...	...	...	...	...
Uvalde:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Val Verde:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...
Van Zandt:																											
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	7	...	7	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Victoria:																											
0-19 employees....	120	120	...	...	...	...	...	...	...	...	...	...	...	68	...	52	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	2	...	...	...	...	...	...
Walker:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Waller:																											
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	...	...	3	...	16	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Ward:																											
0-19 employees....	132	132	...	...	...	...	...	...	...	...	...	...	...	62	1	69	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	...	...	1	2	8	...	...	...	...	...	...	...	...	1	...	...
Washington:																											
0-19 employees....	9	9	...	...	...	...	...	...	...	...	...	...	...	3	...	6	...	...	...	...	...	...	...	...	...	...	...
Webb:																											
0-19 employees....	80	78	2	...	...	...	...	...	...	...	...	...	...	45	...	32	...	...	...	...	...	1	1	1	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Wharton:																											
0-19 employees....	112	112	...	...	...	...	...	...	...	...	...	...	...	63	1	48	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Wheeler:																											
0-19 employees....	65	65	...	...	...	...	...	...	...	...	...	...	...	46	...	19	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
Wichita:																											
0-19 employees....	333	333	...	...	...	...	...	...	...	...	...	...	...	231	3	98	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	...	...	4	2	5	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Wilbarger:																												
0-19 employees....	110	110	...	...	...	...	...	...	...	...	...	...	...	71	2	37	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Willacy:																												
0-19 employees....	14	14	...	...	...	...	...	...	...	...	...	...	...	5	...	9	...	...	...	...	...	...	...	...	...	...	...	...
Williamson:																												
0-19 employees....	8	5	3	...	...	...	...	...	...	...	...	...	...	2	...	1	...	1	1	2	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Wilson:																												
0-19 employees....	54	52	2	...	...	...	...	...	...	...	...	...	...	32	...	19	...	...	1	...	...	...	...	2	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Winkler:																												
0-19 employees....	146	146	...	...	...	...	...	...	...	...	...	...	...	64	1	81	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	26	26	...	...	...	...	...	...	...	...	...	...	...	4	4	18	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wise:																												
0-19 employees....	84	83	1	...	...	...	...	...	...	...	...	...	...	38	1	44	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	14	14	...	...	...	...	...	...	...	...	...	...	...	2	2	6	...	...	4	...	...	...	...	...	...	...	...	...
Wood:																												
0-19 employees....	93	93	...	...	...	...	...	...	...	...	...	...	...	65	1	27	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Yoakum:																												
0-19 employees....	126	126	...	...	...	...	...	...	...	...	...	...	...	73	1	52	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	...	...	4	...	6	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Young:																												
0-19 employees....	309	309	...	...	...	...	...	...	...	...	...	...	...	202	2	103	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Zapata:																												
0-19 employees....	33	33	...	...	...	...	...	...	...	...	...	...	...	14	...	19	...	...	...	...	...	...	...	...	...	...	...	...
Zavala:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	...	...	4	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Offshore:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	...	...	4	...	20	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	742	742	...	...	...	...	...	...	...	...	...	...	...	292	...	450	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	63	63	...	...	...	...	...	...	...	...	...	...	...	5	...	58	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	9	9	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3 footnote 2.

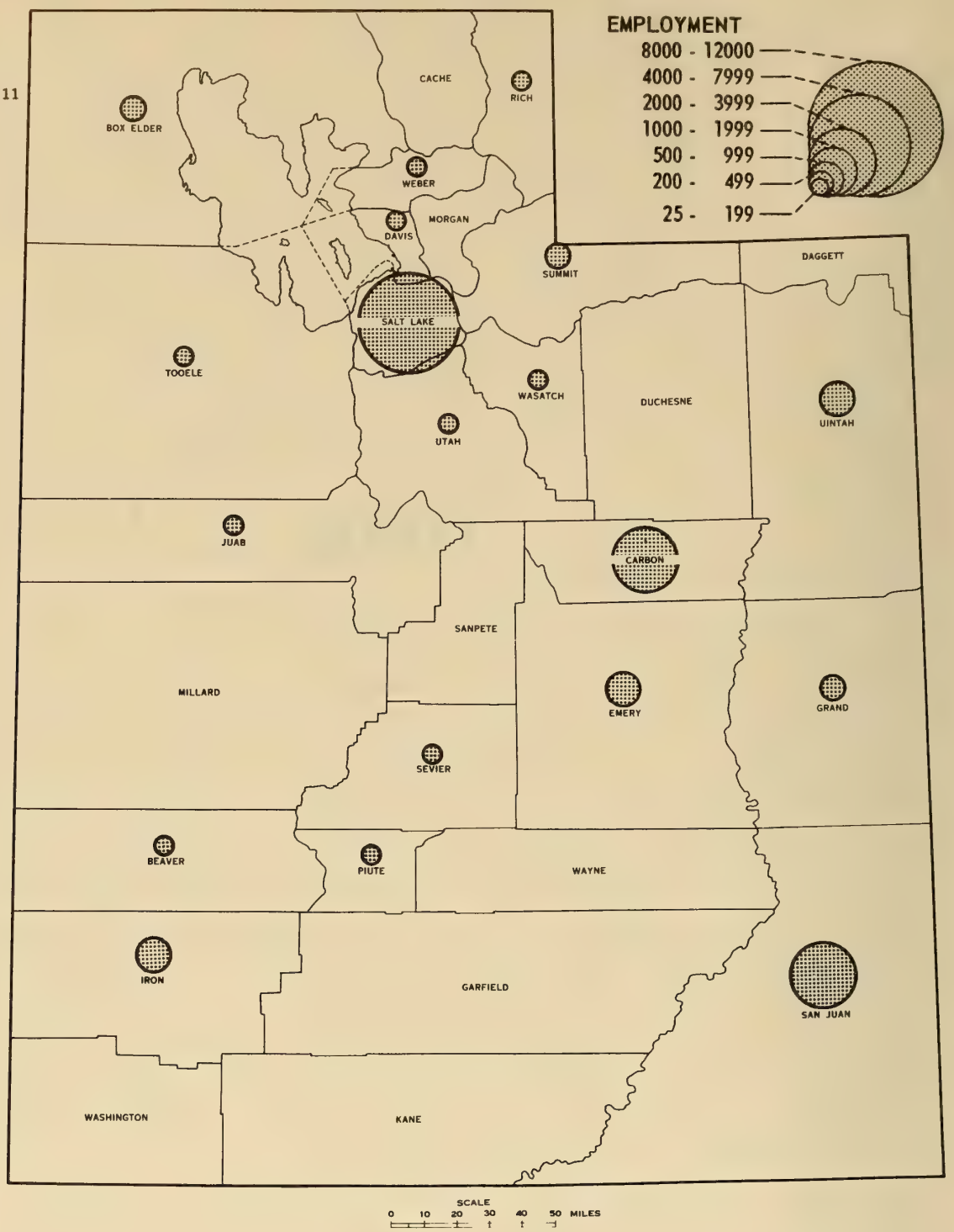
UTAH

41-1

EMPLOYMENT IN MINING BY COUNTY: 1958

UTAH

RANK AMONG STATES
EMPLOYMENT -17
VALUE OF SHIPMENTS - 11

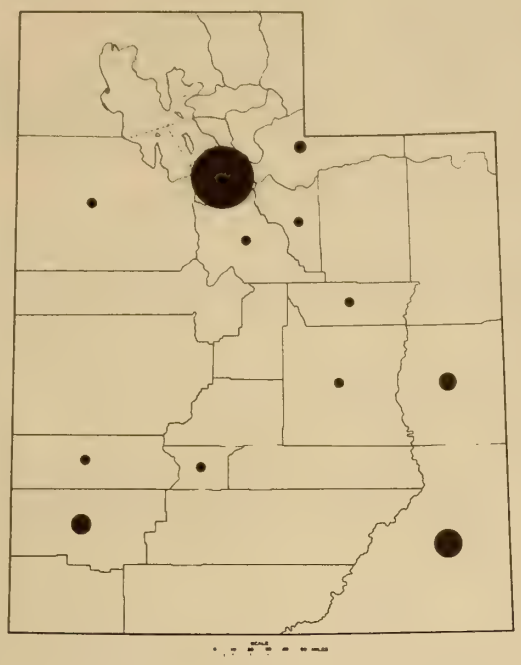


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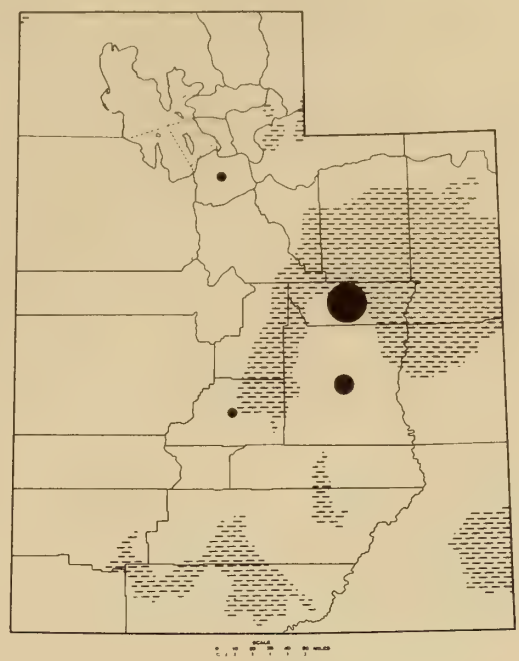
MINING IN UTAH

Employment For Industry Group By County: 1958

Metal Mining

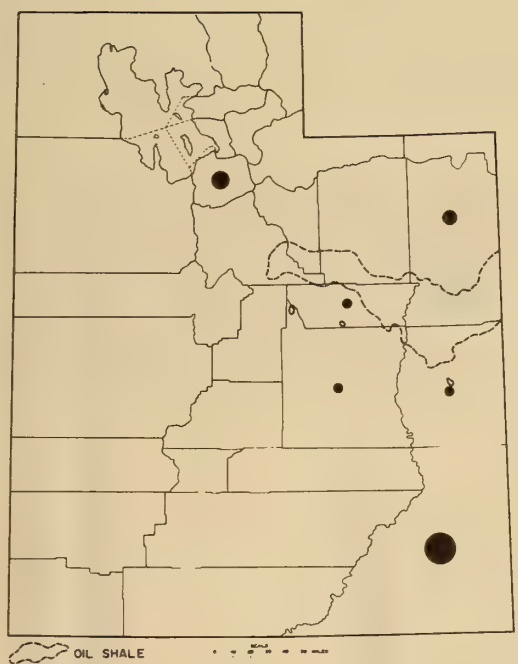


Coal Mining



General Extent of Coal Fields

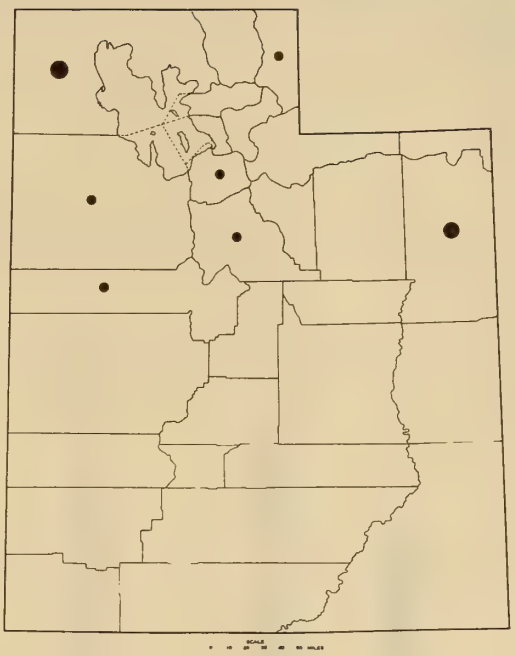
Oil and Gas Extraction

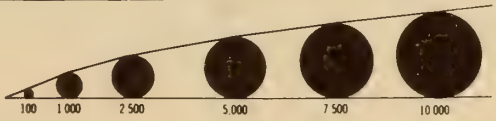


OIL SHALE

General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





U. S. DEPARTMENT OF COMMERCE

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Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	450	79	14,014	79,907	11,598	22,851	62,855	246,198	75,466	101,876	47,246	22,368	428,030	65,124	r4,722	r407
1954	555	59	12,636	56,620	10,249	19,806	43,260	[2]151,662	39,581	75,609	16,565	10,090	[2]273,486	19,438	3,851	376
Including operations in manufactures:																
1958	468	79	14,100	80,290	11,684	23,013	63,238	250,132	[3]75,790	101,876	[3]47,246	[4]22,368	432,288	[4]65,124	r4,722	r404
1954[5]	562	59	12,685	56,807	10,298	19,903	43,447	[2]153,235	[3]39,679	75,609	[3]16,565	[4]10,090	[2]275,157	[4]19,438	[4]3,851	374
1939	[6]199	(NA)	10,832	16,614	9,529	18,466	13,274	51,550	11,225	(NA)	262	(NA)	63,037	(NA)	1,346	141
1929[7]	186	(NA)	13,565	24,645	12,607	(NA)	21,900	62,829	18,129	(NA)	2,140	4,154	83,098	(NA)	1,266	100
1919[8]	189	(NA)	11,170	19,758	10,241	(NA)	17,768	29,898	10,697	298	618	(NA)	41,511	(NA)	[9]1,630	159
1909[8]	504	(NA)	11,712	11,160	10,954	(NA)	9,849	16,067	5,529	107	380	(NA)	22,083	(NA)	(NA)	(NA)
1902[10]	[6]451	(NA)	7,305	6,760	[11]6,678	(NA)	6,010	9,873	2,305	(NA)	200	(NA)	12,378	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[7]Excludes data for oil and gas extraction and common clay and shale operations, if any. In 1939, there were 4 oil and gas extraction operations, and 4 common clay and shale mines with products valued at $35 thousand.

[8]Excludes data for sand and gravel and common clay and shale mining operations and for limestone quarries operated as parts of cement and lime plants. For 1929, 3 such sand and gravel operations were reported with products valued at $255 thousand, and 3 such limestone quarries.

[9]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 37 percent of the total kwh equivalent of energy used.

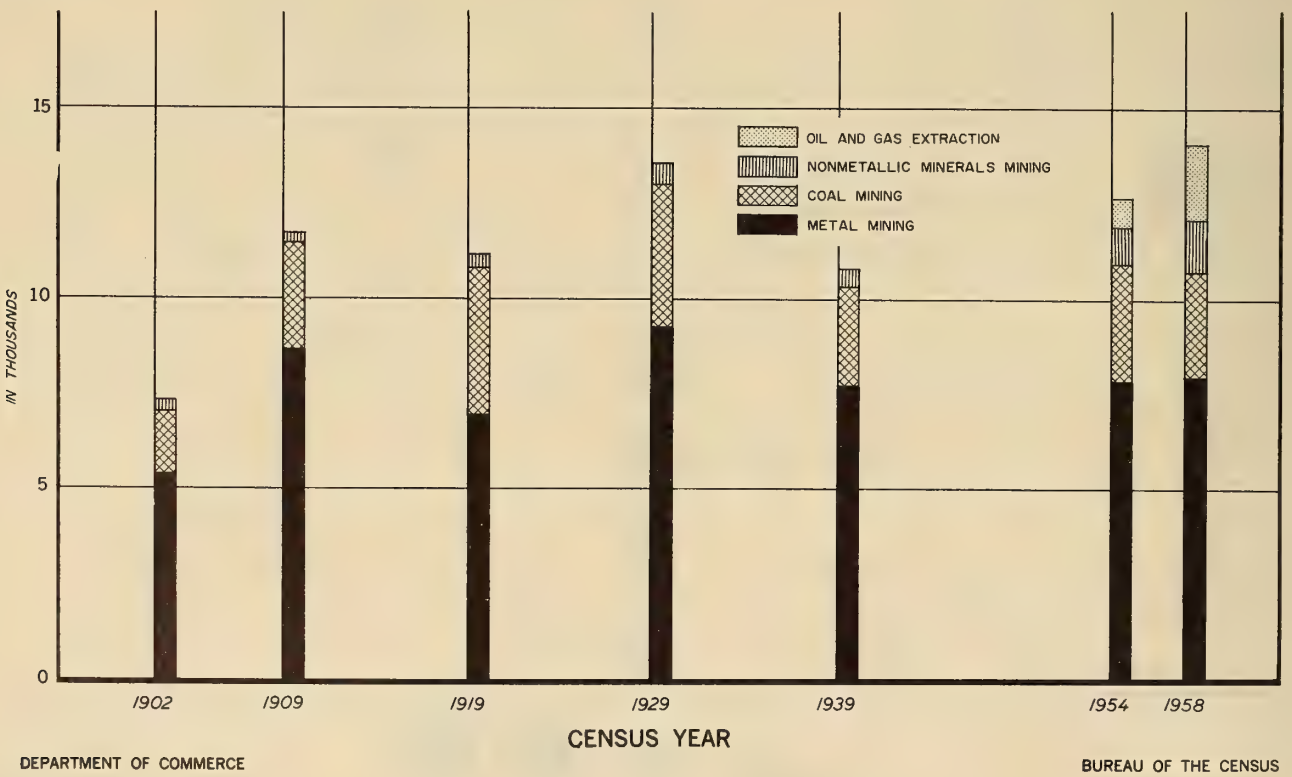
[10]Includes data for one cement plant and for lime plants producing lime valued at $99 thousand.

[11]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

UTAH



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	468	79	14,100	80,290	11,684	23,013	63,238	250,132	[2]247,280	[3]432,288	(NA)	12,685	[4]153,235
	Mineral industries	450	79	14,014	79,907	11,598	22,851	62,855	246,198	246,956	428,030	65,124	12,636	[4]151,662
	Included in manufactures	18	...	[3]86	[3]383	[3]86	162	383	3,934	[2]324	[3]4,258	(NA)	[3]49	1,573
10 } 14 }	Metal mining and Nonmetallic minerals mining (mineral industries only)	318	40	9,203	52,297	7,618	15,182	41,516	147,778	149,473	283,167	14,084	8,790	[4]126,515
1011	Iron ores	7	3	465	2,868	294	565	1,669	22,186	3,465	24,791	860	424	13,201
1031	Lead and zinc ores	29	6	1,145	6,167	899	1,872	4,515	9,557	11,580	20,630	507	1,686	13,512
108	Metal mining services	12	3	283	1,633	208	455	1,109	2,787	971	3,693	65	(NA)	(NA)
1081	Metal mining stripping services	6	2	94	451	92	190	447	1,646	310	1,909	47	(NA)	(NA)
1082	Metal mining services, nec	6	1	189	1,182	116	265	662	1,141	661	1,784	18	(NA)	(NA)
1094	Miscellaneous metal ores (Uranium-radium-vanadium ores)	160	16	1,791	10,387	1,374	2,835	7,731	49,545	67,218	113,088	3,675	881	(NA)
	Crushed and broken stone	15	2	[3]323	[3]2,123	[3]281	600	1,738	6,622	[2]1,800	[3]7,866	[5]556	[3]150	1,235
	Crushed and broken limestone (mineral subindustry only)	8	1	97	519	80	137	335	1,298	366	1,535	129	117	702
	Sand and gravel	33	2	[3]406	[3]2,429	[3]353	764	2,076	13,325	[2]1,917	[3]13,978	[5]1,264	(NA)	(NA)
1441	Mineral industry	26	2	379	2,308	326	710	1,955	12,030	1,772	12,538	1,264	161	1,409
148	Nonmetallic minerals services	3	1	95	437	84	170	371	494	169	607	56	(NA)	(NA)
12	Bituminous coal mining[6]	35	17	2,830	15,539	2,472	4,037	12,959	25,417	29,289	49,808	4,898	3,091	24,020
1211	Bituminous coal	35	17	2,824	15,507	2,467	4,025	12,933	25,376	29,254	49,738	4,892	3,091	24,020
13	Oil and gas extraction	97	22	1,981	12,071	1,508	3,632	8,380	73,003	68,194	95,055	46,142	755	1,127
1311	Crude petroleum and natural gas	59	8	848	5,465	495	1,011	2,764	60,521	57,387	74,511	43,397	569	[7]
138	Oil and gas field services	38	14	1,133	6,606	1,013	2,621	5,616	12,482	10,807	20,544	2,745	186	1,191
1381	Drilling oil and gas wells	16	9	857	5,334	754	2,009	4,448	10,238	9,513	17,331	2,420	(NA)	(NA)
1382	Oil and gas exploration services	9	1	69	322	65	172	301	689	334	950	73	(NA)	(NA)
1389	Oil and gas field services, nec	13	4	207	950	194	440	867	1,555	960	2,263	252	(NA)	(NA)

NA Not available.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] For mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment.

[4] Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[5] Excludes data for mining operations in manufacturing establishments.

[6] In addition to data for the Bituminous Coal Industry for 1958, except for number of establishments, includes data for the Utah operations of 3 bituminous coal services establishments classified in other States.

[7] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded value of shipments and capital expenditures.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
										By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	246,956	75,466	101,876	47,246	22,368	65,124	26,828	38,296	xxx	xxx	xxx	xxx
10 14	Metal mining and Nonmetallic minerals mining	149,473	[3]127,052	([3])	12,923	9,498	14,084	1,911	12,173	xxx	xxx	xxx	xxx
1011	Iron ores	3,465	998	...	1,959	508	860	291	569	[4]3,463	24,791	...	...
1031	Lead and zinc ores	11,580	[3]11,240	([3])	201	139	507	176	331	[5]522	[6]20,332	(NA)	([6])
1094	Uranium-radium-vanadium ores	67,218	15,654	44,930	4,337	2,297	3,675	809	2,866	[5]1,403	66,737	...	...
1441	Sand and gravel	1,772	1,560	...	49	163	1,264	1	1,263	25,306	[7]13,917	[8]1,424	([7])
12	Bituminous coal mining	29,289	[3]21,824	([3])	4,052	3,413	4,898	132	4,766	xxx	xxx	xxx	xxx
1211	Bituminous coal	29,254	[3]21,795	([3])	4,052	3,407	4,892	132	4,760	5,293	36,293	...	...
13	Oil and gas extraction	68,194	28,466	...	30,271	9,457	46,142	24,785	21,357	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	57,387	20,103	...	29,559	7,725	43,397	24,785	18,612	(D)	(D)	...	...
138	Oil and gas field services	10,807	8,363	...	712	1,732	2,745	...	2,745	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	9,513	7,431	...	655	1,427	2,420	...	2,420	xxx	[9]17,329	xxx	([9])

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for cost of minerals received for preparation are included with those for cost of supplies, purchases for resale, and purchased fuels and electricity.
[4]Represents thousands of long tons.
[5]Represents crude ore mined.
[6]Figures for value of shipments of primary products by establishments classified in other industries are included with those for primary products shipped by establishments classified in the specified industry. Represents gross value of shipments of primary products.
[7]Figures for the value of net shipments of primary products by establishments classified in other industries are included with those for primary products shipped by establishments classified in the specified industry. Includes the estimated value of minerals produced and used in the same manufacturing establishment.
[8]Includes minerals produced and used in the same manufacturing establishment.
[9]Figures for receipts for primary services by establishments classified in other industries are included with those for receipts by establishments classified in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	397	302	222	140	44	38	71	35	30	6	9	95
	Number of employees	12,497	12,249	5,919	1,878	3,196	845	3,585	3,033	455	97	2,745	248
	Value added in mining, $1,000	230,394	232,528	170,637	47,494	59,730	63,413	37,369	28,635	7,129	1,605	24,522	(2)
10 14	Metal mining and Nonmetallic minerals mining:												
	Number of establishments	303	237	190	138	44	8	39	3	30	6	8	66
	Number of employees	8,825	8,663	(D)	(D)	3,196	83	792	240	455	97	(D)	162
	Value added in mining, $1,000	144,497	144,856	(D)	(D)	59,730	1,117	(D)	(D)	7,129	1,605	(D)	(2)
1011	Iron ores:												
	Number of establishments	7	7	7	...	7	...	...	...	...	...	...	...
	Number of employees	465	465	465	...	465	...	...	...	...	...	...	...
	Value added in mining, $1,000	22,186	22,186	22,186	...	22,186	...	...	...	...	...	...	...
1031	Lead and zinc ores:												
	Number of establishments	29	20	18	15	2	1	...	...	...	...	2	9
	Number of employees	1,145	1,126	(D)	(D)	(D)	(D)	...	...	...	...	(D)	19
	Value added in mining, $1,000	9,557	9,526	(D)	(D)	(D)	(D)	...	...	...	...	(D)	31
1094	Uranium-radium-vanadium ores:												
	Number of establishments	160	127	121	107	11	3	1	1	...	...	5	33
	Number of employees	1,791	1,755	(D)	865	8	(D)	(D)	(D)	...	...	853	36
	Value added in mining, $1,000	49,545	49,787	(D)	39,196	774	(D)	(D)	(D)	...	...	9,731	(2)
1441	Sand and gravel:												
	Number of establishments	26	26	8	...	6	2	18	...	16	2	...	...
	Number of employees	379	379	(D)	...	229	(D)	(D)	...	130	(D)	...	...
	Value added in mining, $1,000	12,030	12,030	(D)	...	10,399	(D)	(D)	...	1,382	(D)	...	...
1211	Bituminous coal:												
	Number of establishments	35	35	2	2	...	...	32	32	...	...	1	...
	Number of employees	2,824	2,824	(D)	(D)	...	...	2,793	2,793	...	...	(D)	...
	Value added in mining, $1,000	25,376	25,376	(D)	(D)	...	...	(D)	(D)	...	...	(D)	...
1311	Crude petroleum and natural gas:												
	Number of establishments	59	30	30	...	...	30	...	...	...	...	...	29
	Number of employees	848	762	762	...	...	762	...	...	...	...	...	86
	Value added in mining, $1,000	60,521	62,296	62,296	...	...	62,296	...	...	...	...	...	

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for 2 sand and gravel establishments for which the method of mining was not specified.
[2]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	UTAH:													
	All mineral operations	468	79	14,100	80,290	11,684	23,013	63,238	250,132	[3]247,280	[4]432,288	(NA)	12,685	[5]153,235
	Mineral industries	450	79	14,014	79,907	11,598	22,851	62,855	246,198	246,956	428,030	65,124	12,636	[5]151,662
	Included in manufactures	18	...	[4]86	[4]383	[4]86	162	383	3,934	[3]324	[4]4,258	(NA)	[4]49	1,573
	COUNTIES													
	Beaver	14	...	51	204	45	87	179	346	362	428	280	(NA)	(NA)
	Carbon (mineral industries only)	33	15	2,216	12,097	(NA)	(NA)	(NA)	(NA)	(NA)	42,264	(NA)	[6]2,460	(NA)
121	Bituminous coal mining	20	14	2,130	11,522	1,929	3,135	10,188	16,724	27,315	39,618	4,421	2,342	18,169
	Duchesne	7	...	17	94	(NA)	(NA)	(NA)	(NA)	(NA)	334	(NA)	(NA)	(NA)
	Emery:													
	Including oil and gas extraction	43	2	722	4,190	(NA)	(NA)	(NA)	(NA)	(NA)	11,217	(NA)	[6]881	(NA)
	Excluding oil and gas extraction	30	2	682	3,952	560	943	2,891	8,770	2,170	10,388	552	(NA)	[5]5,661
	Garfield	14	...	17	68	(NA)	(NA)	(NA)	(NA)	(NA)	403	(NA)	[6]57	(NA)
	Grand	51	5	477	(D)	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	[6]164	(NA)
13	Oil and gas extraction	14	3	94	576	(NA)	(NA)	(NA)	(NA)	(NA)	1,715	(NA)	[6]50	(NA)
138	Oil and gas field services	9	2	60	357	(NA)	(NA)	(NA)	(NA)	(NA)	1,413	(NA)	(NA)	(NA)
	Iron	14	4	561	3,292	380	734	2,081	23,695	3,729	26,557	867	636	14,904
10	Metal mining	9	4	534	3,224	363	708	2,025	23,531	3,683	26,353	861	610	14,765
	Juab	12	1	78	387	75	135	367	1,296	260	1,531	25	272	[5]4,891
14	Millard	4	...	11	28	10	13	28	373	33	403	3	25	164
	Salt Lake:													
	Including operations in manufactures	65	7	[4]5,751	[4]32,600	(NA)	(NA)	(NA)	(NA)	(NA)	[4]126,445	(NA)	(NA)	(NA)
	Mineral industries only	61	7	5,734	32,515	(NA)	(NA)	(NA)	(NA)	(NA)	125,597	(NA)	[6]5,507	(NA)
10	Metal mining	38	7	5,238	29,360	4,433	8,652	23,973	49,726	81,036	124,117	6,645	5,267	(D)
	Nonmetallic minerals mining:													
	Including operations in manufactures	21	...	[4]155	[4]938	[4]93	173	394	1,917	[3]445	[4]2,278	(NA)	(NA)	(NA)
14	Mineral industries only	17	...	138	853	76	138	309	1,167	347	1,430	84	68	674
	San Juan, total	160	31	2,137	13,014	(NA)	(NA)	(NA)	(NA)	(NA)	140,395	(NA)	[6]637	(NA)
10	Metal mining	84	12	1,080	6,579	880	1,822	5,352	42,911	23,144	64,594	1,461	602	[5]1,896
13	Oil and gas extraction, total	76	19	1,057	6,435	(NA)	(NA)	(NA)	(NA)	(NA)	75,801	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	17	4	299	1,925	(NA)	(NA)	(NA)	(NA)	(NA)	59,968	(NA)	35	(NA)
138	Oil and gas field services	59	15	758	4,510	(NA)	(NA)	(NA)	(NA)	(NA)	15,833	(NA)	(NA)	(NA)
	Sanpete (mineral industries only)	4	...	10	34	(NA)	(NA)	(NA)	(NA)	(NA)	260	(NA)	(NA)	(NA)
	Sevier (mineral industries only)	8	1	50	208	(NA)	(NA)	(NA)	(NA)	(NA)	523	(NA)	31	[5]310
	Tooele (mineral industries only)	11	2	138	720	97	209	501	1,677	1,606	3,187	96	303	[5]2,359
	Uintah (mineral industries only), total	34	6	488	2,693	(NA)	(NA)	(NA)	(NA)	(NA)	20,539	(NA)	[6]338	(NA)
13	Oil and gas extraction, total	28	3	221	1,360	(NA)	(NA)	(NA)	(NA)	(NA)	15,601	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	11	2	91	586	(NA)	(NA)	(NA)	(NA)	(NA)	11,780	(NA)	174	(NA)
138	Oil and gas field services	17	1	130	774	(NA)	(NA)	(NA)	(NA)	(NA)	3,821	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining (mineral industries only)	6	3	267	1,333	236	440	1,033	3,798	1,592	4,938	452	(NA)	(NA)
	Utah	21	2	162	838	138	258	617	1,411	796	2,037	170	110	[5]582

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Group, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Washington (mineral industries only)	6	...	18	59	(NA)	(NA)	(NA)	(NA)	(NA)	180	(NA)	(NA)	(NA)
	Wayne	13	...	21	90	(NA)	(NA)	(NA)	(NA)	(NA)	318	(NA)	(NA)	(NA)
	Weber (including operations in manufactures)	7	1	[4]30	[4]129	[4]30	59	128	266	[3]208	[4]371	[7]103	18	99
13	Undistributed	43	2	337	2,176	(NA)	(NA)	(NA)	(NA)	(NA)	3,348	(NA)	(NA)	(NA)
138	Oil and gas field services	32	2	271	1,751	(NA)	(NA)	(NA)	(NA)	(NA)	3,055	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Excludes data for the Oil and Gas Field Services Industries.
[7]Excludes data for mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Utah, total	468	450	18	7	11	29	21	...	6	12	160	35	...	59	...	38	1	2	11	4	26	7	9	3	12	3	10	2
No employees	91	91	...	1	2	7	7	...	3	1	45	1	...	17	...	...	...	...	...	...	...	...	4	...	2	...	1	...
1-4 employees	186	175	11	3	4	13	10	...	3	7	71	10	...	19	...	8	...	2	6	...	10	6	2	3	5	...	4	...
5-9 employees	63	60	3	...	1	1	3	...	...	...	20	2	...	5	...	9	1	...	...	1	11	...	2	...	2	1	2	2
10-19 employees	49	45	4	...	2	2	1	...	...	1	8	5	...	10	...	7	...	...	3	3	3	1	...	...	1	1	1	...
20-49 employees	r30	r30	...	...	...	r3	...	...	...	1	9	7	...	1	...	7	...	...	...	...	1	...	...	...	...	...	1	...
50-99 employees	r23	r23	...	1	...	...	...	...	...	2	2	4	...	5	...	4	...	...	1	...	...	...	1	...	2	1	...	...
100-249 employees	20	20	...	2	...	2	...	...	...	...	5	3	...	2	...	3	...	...	1	...	1	...	...	...	...	...	1	...
250-499 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees	3	3	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 employees and over	2	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Beaver:																												
0-19 employees	14	14	...	...	...	3	1	...	...	5	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Box Elder:																												
0-19 employees	5	3	2	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Cache:																												
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Carbon:																												
0-19 employees	19	18	1	...	...	...	...	...	...	2	1	6	...	2	...	7	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees	10	10	...	...	...	...	...	...	...	...	...	9	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Daggett:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Davis:																												
0-19 employees	6	6	...	...	...	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Duchesne:																												
0-19 employees	7	7	...	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	...	...	...	...	...	...	1	...
Emery:																												
0-19 employees	41	41	...	...	1	...	...	...	...	...	17	7	3	1	...	12	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Garfield:																												
0-19 employees	14	14	...	...	...	...	1	...	...	...	6	...	...	...	...	5	...	...	...	...	...	...	2	...	...	...	...	...
Grand:																												
0-19 employees	46	46	...	...	...	...	...	...	3	5	25	...	...	4	...	7	...	...	...	...	...	...	...	...	1	1	...	...
20-99 employees	4	4	...	...	...	...	...	...	...	...	1	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iron:																												
0-19 employees	10	10	...	3	...	...	...	...	...	2	...	3	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees	2	2	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Juab:																												
0-19 employees	11	11	...	1	...	2	2	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Kane:																												
0-19 employees	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Millard:																												
0-19 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	...	...
Morgan:																												
0-19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...

[1]See table 3, footnote 2. r Revised.

Table 4.–Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958–Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Piute:																											
0-19 employees....	4	4	...	...	1	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rich:																											
0-19 employees....	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Salt Lake:																											
0-19 employees....	58	54	4	...	1	7	7	...	2	1	13	...	...	5	...	1	...	...	3	1	11	1	...	2	...	...	3	...
20-99 employees...	3	3	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Juan:																											
0-19 employees....	129	129	...	...	2	2	...	...	...	7	61	...	...	13	...	44	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	28	28	...	...	...	...	...	...	...	...	9	...	...	4	...	15	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sanpete:																											
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	1	1	...	...	...	...	...	...
Sevier:																											
0-19 employees....	9	7	2	...	...	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	1	...	1	...	2	...	...	2
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Summit:																											
0-19 employees....	5	5	...	...	2	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tooele:																											
0-19 employees....	11	9	2	...	...	3	1	...	...	1	...	...	...	...	...	...	...	...	1	2	2	...	1	...	...	...	...	...
20-99 employees...	2	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Uintah:																											
0-19 employees....	29	28	1	...	...	...	...	...	...	...	...	...	...	9	...	16	...	...	...	...	...	...	...	1	...	1	2	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	1	1	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Utah:																											
0-19 employees....	19	19	...	...	1	1	3	...	...	...	2	...	...	1	...	...	...	...	2	...	3	...	3	...	...	1	2	...
20-99 employees...	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Wasatch:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Washington:																											
0-19 employees....	7	6	1	...	1	...	2	...	...	1	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...
Wayne:																											
0-19 employees....	13	13	...	...	...	...	...	...	...	...	8	...	...	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Weber:																											
0-19 employees....	6	5	1	...	...	1	...	...	1	1	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	41	41	...	...	...	...	...	...	...	...	...	...	...	11	...	30	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

VERMONT

42-1

EMPLOYMENT IN MINING BY COUNTY: 1958

VERMONT

RANK AMONG STATES
EMPLOYMENT - 44
VALUE OF SHIPMENTS - 44

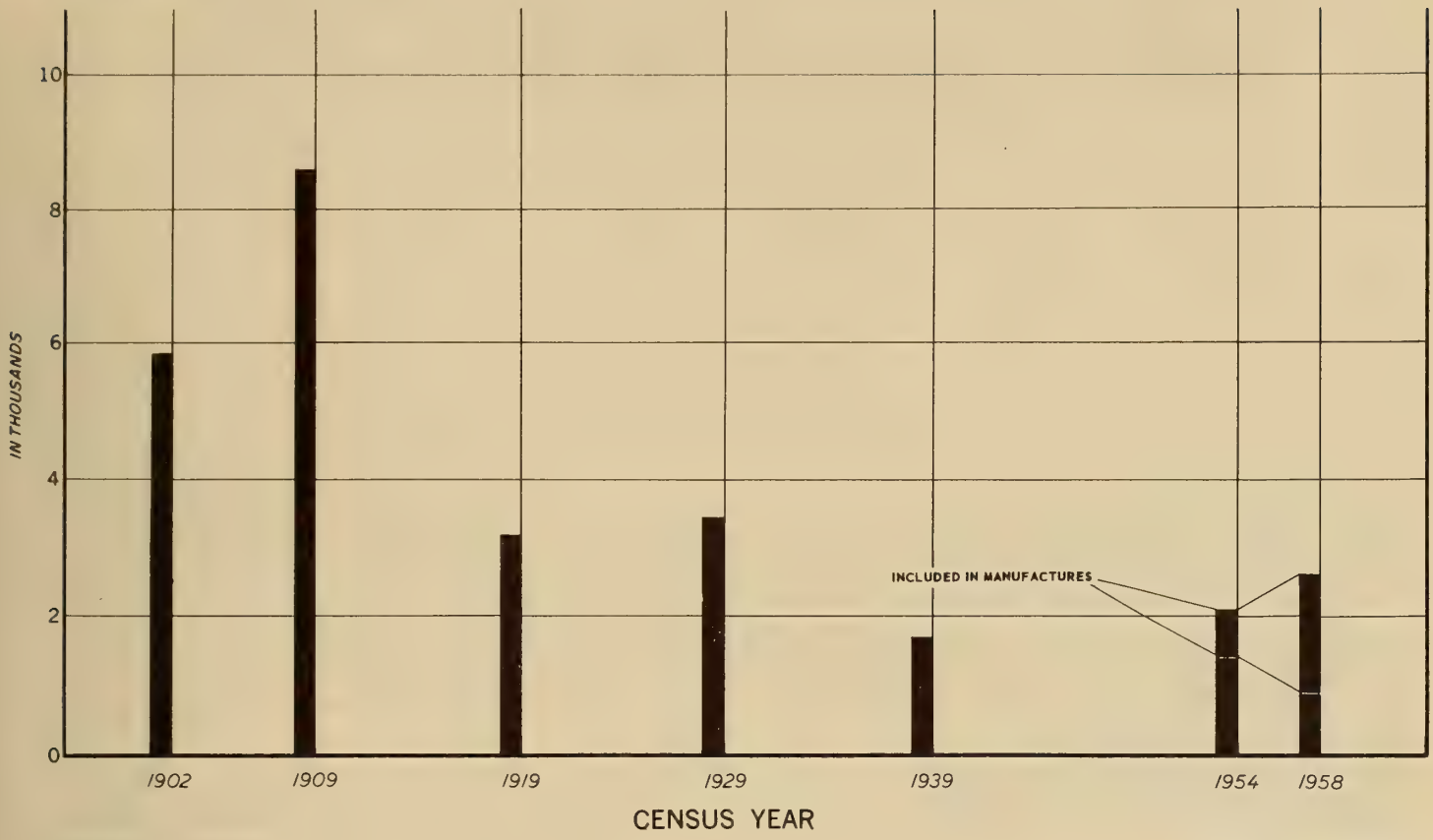


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

VERMONT



DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	41	7	790	3,205	674	1,350	2,528	6,823	2,829	...	236	381	9,575	694	r189	r280
1954	42	11	1,329	4,943	1,187	2,633	4,153	10,600	r[2]3,480	r34	399	600	14,427	686	171	144
Including operations in manufactures:																
1958	67	16	2,571	10,019	2,157	4,445	7,935	15,766	[3]5,454	([2])	[4]335	[5]861	21,172	[5]1,244	r [5]291	r135
1954[6]	62	16	2,050	7,445	1,881	4,009	6,524	15,512	[4]4,367	44	[4]589	[5]744	20,415	[5]841	[5]209	111
1939[7]	[8]77	(NA)	1,695	2,016	1,574	3,148	1,719	(NA)	1,207	(NA)	6	(NA)	6,243	(NA)	93	59
1929[9]	105	(NA)	3,392	4,936	3,154	(NA)	4,153	8,918	1,330	(NA)	28	349	10,276	(NA)	154	49
1919[10]	93	(NA)	3,179	3,491	2,936	(NA)	3,042	6,765	1,698	...	92	(NA)	8,555	(NA)	[11]214	73
1909[10]	141	(NA)	8,552	4,845	8,199	(NA)	4,475	6,834	1,322	...	65	(NA)	8,221	(NA)	(NA)	(NA)
1902[12]	[8]192	(NA)	5,831	3,490	[13]5,398	(NA)	3,114	4,829	1,076	(NA)	...	(NA)	5,905	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years, represents net production and excludes this duplication.

[2]Cost of minerals received for preparation is included with cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Includes the cost of minerals received for preparation. See also footnote 4.

[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments. Except for number of establishments, excludes data for one stone quarry operated as part of a lime plant and one clay pit operated as part of a clay products plant.

[7]Except for value of shipments, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing stone at such operations was $895 thousand.

[8]Represents number of mines and quarries.

[9]Excludes data for common clay and shale operations, if any. No such operations were reported for 1939.

[10]Excludes data for sand and gravel operations and stone quarries operated as parts of lime plants. For 1929, there was one sand and gravel establishment and 2 such stone quarries. See also footnote 9.

[11]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 15 percent of the total kwh equivalent of energy used.

[12]Excludes data for sand and gravel and common clay and shale operations. Includes data for lime plants producing lime valued at $219 thousand.

[13]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	67	16	2,571	10,019	2,157	4,445	7,935	15,766	[1]6,650	[2]21,172	[3]1,244	2,050	15,512
	Mineral industries	41	7	790	3,205	674	1,350	2,528	6,823	3,446	9,575	694	1,329	10,600
	Included in manufactures	26	9	[2]1,781	[2]6,814	[2]1,483	3,095	5,407	8,943	[1]3,204	[2]11,597	[3]550	[2 4]721	[4]4,912
	Dimension stone	27	10	1,963	7,547	1,648	3,414	6,034	9,754	3,537	12,672	619	1,132	6,842
1411	Mineral industry	6	1	185	741	168	322	635	868	358	1,157	69	411	1,930
	Included in manufactures	21	9	1,778	6,806	1,480	3,092	5,399	8,886	3,179	11,515	550	721	4,912
	Dimension stone, nec	21	5	1,506	5,522	1,228	2,615	4,257	5,733	2,393	7,636	490	609	2,748
1421	Crushed and broken stone	6	2	158	703	135	299	555	1,686	1,184	2,684	186	238	2,806
	Crushed and broken limestone	3	1	55	180	50	127	159	308	(D)	376	(D)	(NA)	(NA)
1441	Sand and gravel (Mineral industry)	22	1	91	314	74	138	240	670	458	911	217	100	644
149	Miscellaneous minerals, nec[5]	5	3	341	1,404	284	565	1,063	3,354	1,363	4,545	172	370	3,618

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[2]Number of production and development workers for crushed and broken stone, sand and gravel, and clay mining operations included in manufacturing establishments was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[3]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[4]Excludes figures for sand and gravel mining operations in manufacturing establishments.
[5]Represents 4 establishments in the Talc, Soapstone, Pyrophyllite Industry and 1 establishment in the Nonmetallic Minerals, NEC Industry.

Table 2B.–Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	3,446	2,829	...	236	381	694	39	655	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	1,184	1,115	...	2	67	186	...	186	189	[3]3,367	[4]227	([3])
1441	Sand and gravel	458	289	...	44	125	217	...	217	782	[3]918	[4]52	([3])
149	Miscellaneous minerals, nec	1,363	1,075	...	167	121	172	38	134	xxx	xxx	xxx	xxx

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Figures for value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry. For sand and gravel, includes the estimated value of minerals produced and used in the same manufacturing establishment.
[4]Includes the quantity of minerals produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	41	40	15	...	12	3	24	3	20	1	1	1
	Number of employees	[2]790	(D)	43	...	39	4	712	(D)	635	(D)	(D)	(D)
	Value added in mining, $1,000	[2]6,823	(D)	269	...	252	17	6,530	(D)	5,892	(D)	(D)	(D)
141	Dimension stone:												
	Number of establishments	6	5	3	...	3	...	2	...	2	...	...	1
	Number of employees	185	(D)	(D)	...	(D)	...	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	868	(D)	(D)	...	(D)	...	(D)	...	(D)	...	...	(D)
142	Crushed and broken stone:												
	Number of establishments	6	6	2	...	2	...	3	...	3	...	1	...
	Number of employees	158	158	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...
	Value added in mining, $1,000	1,686	1,686	(D)	...	(D)	...	(D)	...	(D)	...	(D)	...
144	Sand and gravel:												
	Number of establishments	22	22	10	...	7	3	12	...	11	1	...	...
	Number of employees	91	91	13	...	9	4	78	...	(D)	(D)	...	...
	Value added in mining, $1,000	670	670	169	...	152	17	501	...	(D)	(D)	...	...
149	Miscellaneous minerals, nec:												
	Number of establishments	5	5	...	...	...	...	5	3	2	...	...	...
	Number of employees	341	341	...	...	...	...	341	(D)	(D)	...	...	...
	Value added in mining, $1,000	3,354	3,354	...	...	...	...	3,354	(D)	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents data for sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for the Vermont operations of one mining services establishment classified in another State.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	VERMONT:													
	All mineral operations	67	16	2,571	10,019	2,157	4,445	7,935	15,766	[3]6,650	[4]21,172	[5]1,244	2,050	15,512
	Mineral industries	41	7	790	3,205	674	1,350	2,528	6,823	3,446	9,575	694	1,329	10,600
	Included in manufactures	26	9	[4]1,781	[4]6,814	[4]1,483	3,095	5,407	8,943	[3]3,204	[4]11,597	[5]550	[4]721	4,912
	COUNTIES													
14	Addison	3	...	18	55	16	21	47	157	130	209	78	(NA)	(NA)
14	Caledonia	4	1	41	142	28	58	83	187	152	284	55	(NA)	(NA)
14	Chittenden (mineral industries only)	6	1	64	241	46	108	136	504	160	538	126	24	122
	Rutland (including operations in manufactures)	26	6	1,629	6,120	1,333	2,847	4,728	7,174	3,412	10,020	566	773	5,150
	Washington (including operations in manufactures)	11	5	424	1,839	390	738	1,616	3,649	1,162	4,583	228	540	4,131
14	Windsor (including operations in manufactures)	3	...	[4]15	[4]58	[4]13	26	47	126	(D)	[4]153	(D)	[4]38	188

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes figures for sand and gravel mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 2.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See footnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Vermont, total	67	41	26	...	1	...	...	...	...	...	...	...	...	...	...	...	6	21	6	...	22	4	1	1	...	...	5	...
No employees	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	2	...	...	...	...	...	...
1-4 employees	21	16	5	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	14	2	...	1	...	...	...	...
5-9 employees	9	5	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	2	...	1	...	...	...	...	...
10-19 employees	14	8	6	...	...	...	...	...	...	...	...	...	...	...	...	...	4	6	1	...	1	...	...	...	...	...	2	...
20-49 employees	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	1	...	...	...	...	...	2	...
50-99 employees	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...
100-249 employees	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	1	...
1,000 employees and over	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Addison:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...
Bennington:																												
0-19 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Caledonia:																												
0-19 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Chittenden:																												
0-19 employees	8	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	2	...	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Franklin:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lamoille:																												
0-19 employees	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Orange:																												
0-19 employees	3	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Orleans:																												
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Rutland:																												
0-19 employees	20	8	12	...	...	...	...	...	...	...	...	...	...	...	...	...	4	12	3	...	1	...	...	...	...	...	...	...
20-99 employees	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
250 employees and over	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Washington:																												
0-19 employees	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	5	...	...	...	...	...	...	...
20-99 employees	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	...
100-249 employees	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...
Windham:																												
0-19 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Windsor:																												
0-19 employees	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...

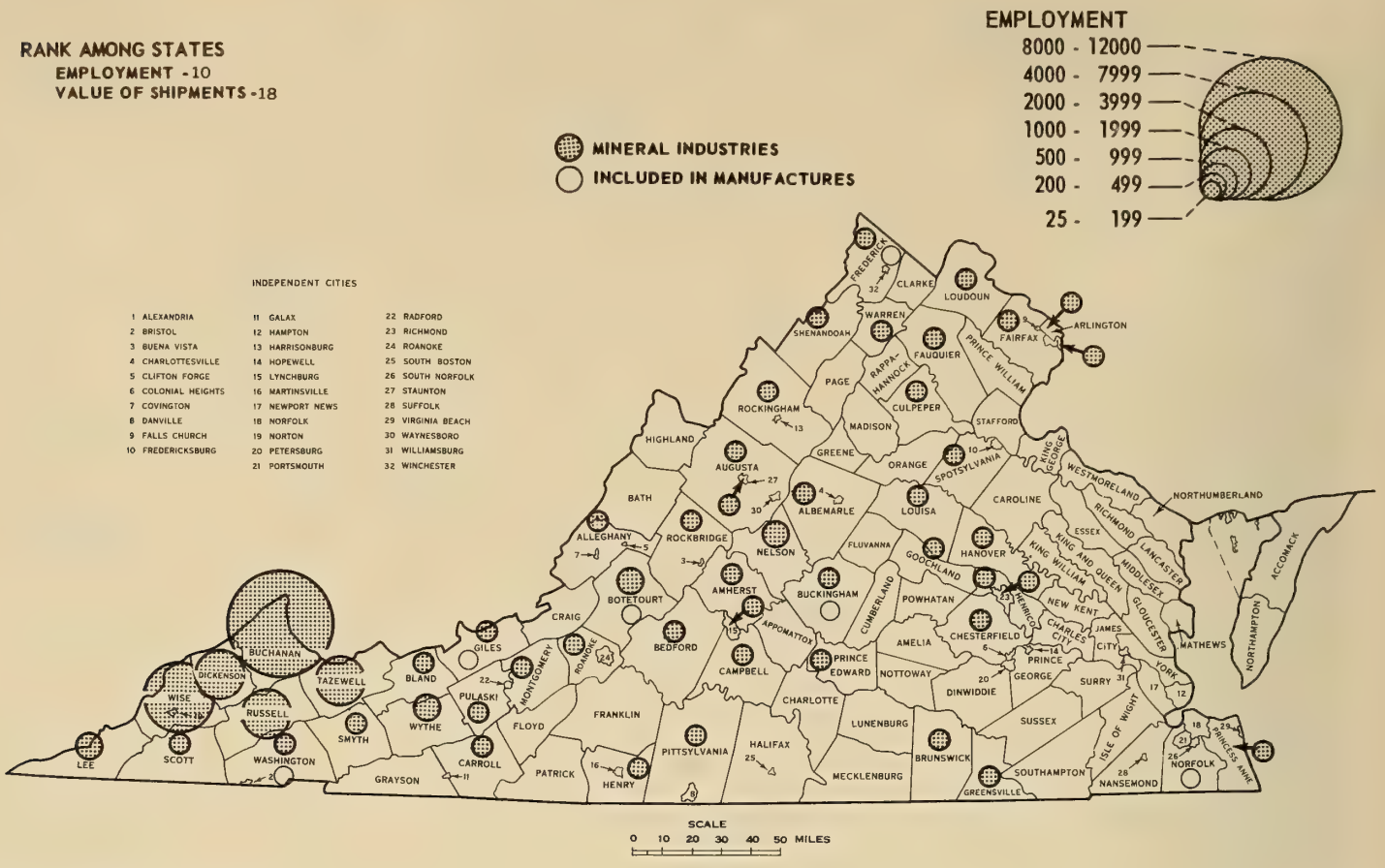
[1]See table 3, footnote 2.

VIRGINIA

43-1

EMPLOYMENT IN MINING BY COUNTY: 1958

VIRGINIA

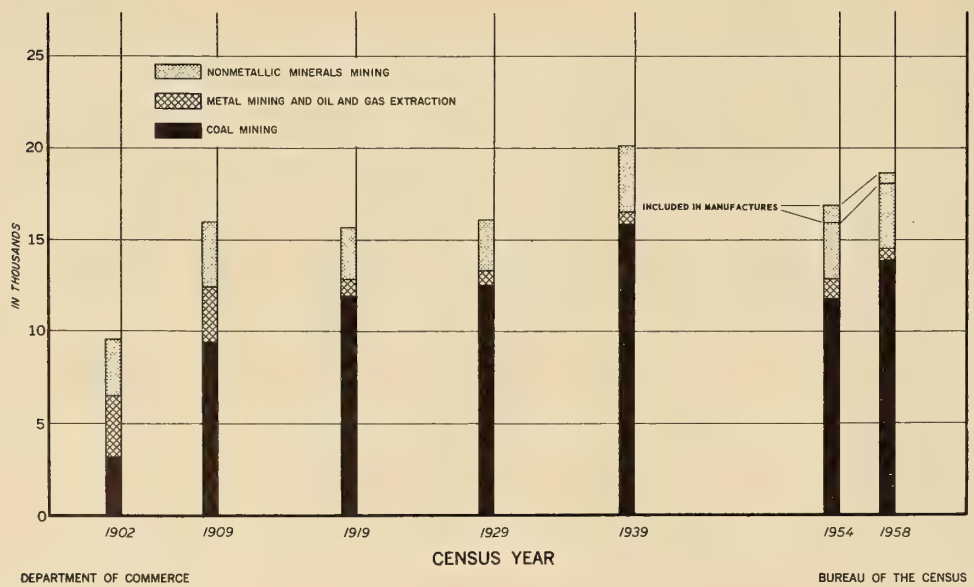


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

VIRGINIA

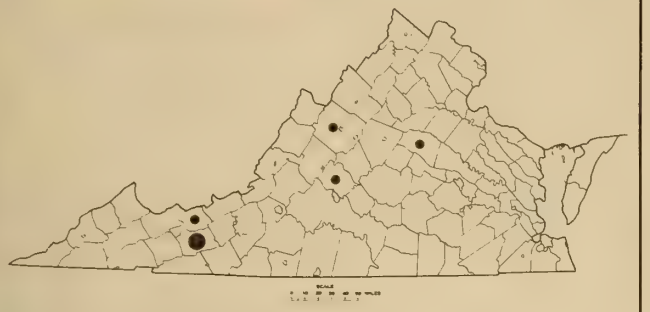


DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

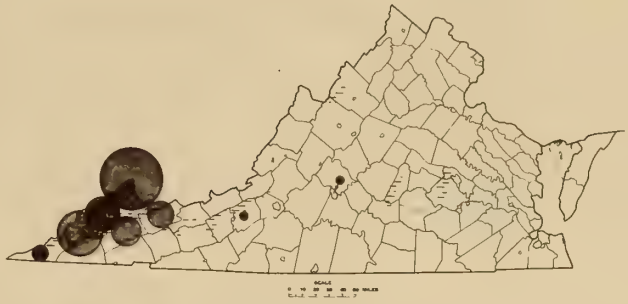
MINING IN VIRGINIA

Employment For Industry Group By County: 1958

Metal Mining

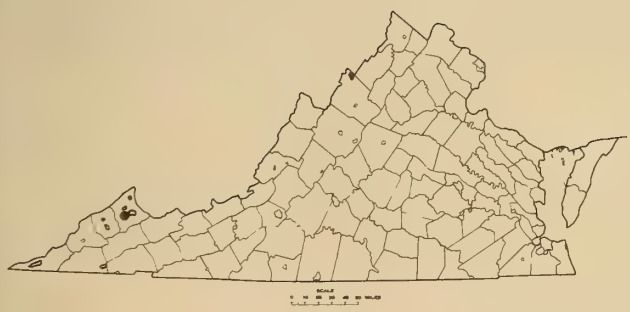


Coal Mining



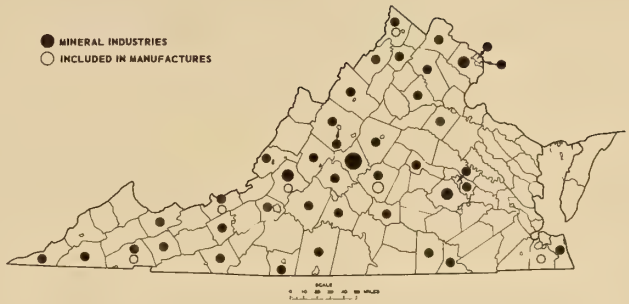
General Extent of Coal Fields

Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining



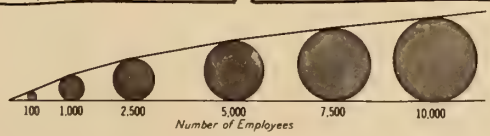


Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	1,033	196	18,014	68,399	15,672	26,377	57,270	135,472	41,107	29,209	12,076	17,774	199,246	36,392	r1,635	r104
1954	755	153	16,119	52,823	14,400	25,045	45,027	89,095	36,812	[2]10,002	4,502	7,429	137,543	10,297	1,389	96
Including operations in manufactures:																
1958	1,066	204	18,600	70,371	16,240	27,460	59,154	142,571	[3]42,170	29,209	[3]12,076	[4]17,777	207,408	[4]36,395	[12]1,638	r101
1954[5]	788	164	16,864	55,064	15,123	26,508	47,156	96,014	[3]37,963	[2]10,003	[3]4,502	[4]7,449	145,592	[4]10,339	[4]1,399	93
1939[6]	[7]257	(NA)	20,061	20,942	19,010	28,998	18,888	28,642	5,939	(NA)	44	(NA)	34,625	(NA)	701	37
1929[8]	193	(NA)	16,051	16,720	15,281	(NA)	14,854	23,936	5,563	(NA)	42	1,143	29,541	(NA)	800	52
1919[9]	206	(NA)	15,603	17,930	14,666	(NA)	16,208	22,952	6,066	...	345	(NA)	29,363	(NA)	[10]1 629	111
1909[9]	195	(NA)	15,996	5,926	15,362	(NA)	5,296	6,985	1,691	...	120	(NA)	8,796	(NA)	(NA)	(NA)
1902[11]	[7]194	(NA)	9,531	3,899	[12]8 866	(NA)	3,393	5,381	863	(NA)	36	(NA)	6,280	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplications due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes the cost of natural gas processed at natural gas liquids plants.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[6]Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing slate at such operations was $186 thousand; this value has been included in the value of shipments and value added in mining. The comparable values for limestone, granite, marble, trap rock, and sandstone are not available.

[7]Represents number of mines and quarries and, for mining services industries, number of operating companies.

[8]Excludes data for common clay and shale mining operations. In 1939, there were 17 such mines with products valued at $160 thousand.

[9]Excludes data for sand and gravel mining operations and stone quarries operated as parts of cement and lime plants. In 1929, there were 8 such sand and gravel mining operations, with products valued at $679 thousand, and 12 such stone quarries, with products valued at $1,022 thousand. See also footnote 8.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 12 percent of the total kwh equivalent of energy used.

[11]Excludes data for sand and gravel and common clay and shale mining operations, and stone quarries operated as parts of cement plants. Includes data for lime plants producing lime valued at $242 thousand.

[12]Figures for average employment were reduced to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958												1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures		All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)			($1,000)
	All mineral operations	1,066	204	18,600	70,371	16,240	27,460	59,154	142,571	[2]101,232	[3]207,408	[4]36,395		16,864	96,014
	Mineral industries	1,033	196	18,014	68,399	15,672	26,377	57,270	135,472	100,166	199,246	36,392		16,119	89,095
	Included in manufactures	33	8	[3]586	[3]1,972	[3]568	1,083	1,884	7,099	[2]1,066	[3]8,162	[4]3		[3]745	6,919
10	Metal mining	18	4	595	2,154	482	882	1,567	3,525	2,086	4,605	1,006		954	5,006
12	Bituminous coal mining	873	129	13,858	53,797	12,057	18,849	45,595	101,666	81,397	153,901	29,162		11,720	61,508
1211	Bituminous coal	869	127	13,737	53,097	11,950	18,670	45,004	100,135	80,411	151,825	28,721		11,720	61,508
1213	Coal stripping services, nec	4	2	121	700	107	179	591	1,531	986	2,076	441		...	...
13	Oil and gas extraction	7	...	41	174	39	104	162	555	981	962	574		130	502
	Nonmetallic minerals mining	168	71	4,106	14,246	3,662	7,625	11,830	36,825	[2]16,768	[3]47,940	[4]5,653		4,060	28,998
14	Mineral industries	135	63	3,520	12,274	3,094	6,542	9,946	29,726	15,702	39,778	5,650		3,315	22,079
	Included in manufactures	33	8	[3]586	[3]1,972	[3]568	1,083	1,884	7,099	[2]1,066	[3]8,162	[4]3		[3]745	6,919
	Crushed and broken stone	80	47	2,031	6,859	1,808	3,698	5,716	19,744	[2]10,155	[3]25,766	(NA)		1,763	13,388
1421	Mineral industry	71	42	1,839	6,048	1,616	3,313	4,905	15,526	9,485	20,878	4,133		1,479	8,907
	Included in manufactures	9	5	[3]192	[3]811	[3]192	385	811	4,218	[2]670	[3]4,888	(NA)		[3]284	4,481
	Crushed and broken limestone (Mineral subindustry only)	47	27	1,268	4,208	1,104	2,249	3,348	9,933	6,272	13,667	2,538		1,036	6,056
	Crushed and broken granite (Mineral subindustry)	15	9	378	1,215	336	700	1,032	3,394	2,222	4,822	794		195	1,452
	Crushed and broken stone, nec (Mineral subindustry only)	9	6	193	625	176	364	525	2,199	991	2,389	801		248	1,399
1441	Sand and gravel (Mineral industry only)	46	11	848	3,268	728	1,661	2,640	9,034	3,178	11,476	736		961	9,341
	Clay and related minerals:														
	Clay and related minerals, nec	26	6	329	1,380	278	642	1,035	3,295	[2]2,140	[3]4,834	(NA)		173	1,456
1459	Mineral industry	9	6	273	1,201	222	530	856	2,185	1,982	3,566	601		115	887
	Included in manufactures	17	...	[3]56	[3]179	[3]56	112	179	1,110	[2]158	[3]1,268	(NA)		[3]58	569

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.

[2]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	100,166	41,107	29,209	12,076	17,774	36,392	1,728	34,664	xxx	xxx	xxx	xxx
10	Metal mining.....	2,086	[3]1,462	([3])	193	431	1,006	649	357	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	81,397	28,507	29,024	10,769	13,097	29,162	567	28,595	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	80,411	28,237	29,024	10,713	12,437	28,721	567	28,154	26,255	128,386	...	...
13	Oil and gas extraction.....	981	395	...	532	54	574	406	168	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	15,702	[3]10,928	([3])	582	4,192	5,650	106	5,544	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	9,485	6,289	37	298	2,861	4,133	46	4,087	11,769	20,144	[4]2,969	[4]5,151
	Crushed and broken limestone.	6,272	4,185	35	235	1,817	2,538	28	2,510	7,644	13,138	[4]2,927	(D)
1441	Sand and gravel.....	3,178	2,303	...	247	628	736	5	731	8,157	[5]10,673	258	([5])

D Withheld to avoid disclosing data for individual companies.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents net shipments plus stone produced and used in the same establishment in making manufactured products, including such stone produced and used in the specified industry amounting to less than 10 percent of the total shown. The value of such stone was estimated.

[5]Figures for the value of primary products shipped in other industries are included with those for the value of primary products shipped in the specified industry.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	1,025	1,017	799	729	48	22	188	62	101	25	30	8
	Number of employees	17,851	17,810	(D)	[3]6,949	517	(D)	9,793	5,406	2,981	1,406	(D)	41
	Value added in mining, $1,000	133,606	133,738	(D)	[3]31,349	4,650	(D)	90,486	49,486	25,618	15,382	(D)	([4])
10	Metal mining:												
	Number of establishments	16	12	3	1	2	...	9	4	5	...	...	4
	Number of employees	[5]595	[5]562	[5]547	(D)	(D)	...	515	(D)	(D)	...	...	33
	Value added in mining, $1,000	[5]3,525	[5]3,551	[5]291	(D)	(D)	...	3,260	(D)	(D)	...	...	([4])
1211	Bituminous coal:												
	Number of establishments	869	867	764	727	21	16	74	57	1	16	29	2
	Number of employees	13,737	(D)	(D)	6,949	194	(D)	(D)	4,872	(D)	1,243	377	(D)
	Value added in mining, $1,000	100,135	(D)	(D)	31,349	1,947	(D)	(D)	46,807	(D)	13,876	5,309	(D)
13	Oil and gas extraction:												
	Number of establishments	5	4	4	...	...	4	...	...	...	...	...	1
	Number of employees	[5]41	(D)	(D)	...	...	(D)	...	...	...	...	...	(D)
	Value added in mining, $1,000	[5]555	(D)	(D)	...	...	(D)	...	...	...	...	...	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	135	134	28	1	25	2	105	1	95	9	1	1
	Number of employees	3,520	(D)	324	(D)	(D)	(D)	(D)	(D)	2,876	163	(D)	(D)
	Value added in mining, $1,000	29,726	(D)	2,764	(D)	(D)	(D)	(D)	(D)	24,382	1,506	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	71	71	6	1	5	...	64	...	64	...	1	...
	Number of employees	1,839	1,839	(D)	(D)	(D)	...	1,692	...	1,692	...	(D)	...
	Value added in mining, $1,000	15,526	15,526	(D)	(D)	(D)	...	14,192	...	14,192	...	(D)	...
1441	Sand and gravel:												
	Number of establishments	46	46	14	...	12	2	32	...	23	9	...	...
	Number of employees	848	848	146	...	(D)	(D)	702	...	539	163	...	...
	Value added in mining, $1,000	9,034	9,034	1,194	...	(D)	(D)	7,840	...	6,334	1,506	...	...

D Withheld to avoid disclosing data for individual companies.

[1] Includes data for 2 sand and gravel establishments for which the method of mining was not specified.

[2] Includes data for 5 sand and gravel establishments for which the method of mining was not specified.

[3] Figures for 2 underground mines in the Metal Mining and Nonmetallic Minerals Mining Industries are included with those for "Combination methods, well operations, and other methods."

[4] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

[5] Includes data for mining services establishments.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	VIRGINIA:													
	All mineral operations	1,066	204	18,600	70,371	16,240	27,460	59,154	142,571	[3]101,232	[4]207,408	[5]36,395	16,864	96,014
	Mineral industries	1,033	196	18,014	68,399	15,672	26,377	57,270	135,472	100,166	199,246	36,392	16,119	89,095
	Included in manufactures	33	8	[4]586	[4]1,972	[4]568	1,083	1,884	7,099	[3]1,066	[4]8,162	[5]3	[4]745	6,919
	COUNTIES													
14	Alexandria City	3	...	31	130	22	66	111	678	(D)	401	(D)	(NA)	(NA)
	Augusta (mineral industries only)	3	2	59	205	49	104	147	549	(D)	867	(D)	(NA)	(NA)
142	Botetourt (mineral industries only)	4	4	225	705	201	363	564	1,650	1,012	2,434	228	[6]235	[6]2,108
	Buchanan	463	66	6,189	21,505	(NA)	(NA)	(NA)	(NA)	(NA)	69,579	(NA)	(NA)	(NA)
12	Bituminous coal mining	456	66	6,149	21,341	5,558	8,474	19,389	39,475	33,698	69,088	4,085	4,013	19,788
	Buckingham (including operations in manufactures)	6	4	298	954	250	482	571	1,185	872	1,985	72	274	998
12	Dickenson (Bituminous coal mining only)	93	14	1,831	7,592	1,617	2,549	6,475	25,258	22,534	26,524	21,268	1,793	11,062
	Fairfax	8	4	189	674	157	347	489	2,291	729	2,827	193	83	957
14	Frederick (mineral industries only)	4	3	139	619	124	235	409	876	552	1,252	176	137	606
	Giles (including operations in manufactures)	4	3	[4]112	[4]413	[4]104	202	363	1,884	(D)	[4]2,279	(D)	[4]157	915
12	Lee (Bituminous coal mining only)	44	3	412	1,187	389	466	1,107	1,434	1,244	2,561	117	667	3,018
	Loudoun	4	1	64	225	60	109	209	415	357	621	151	(NA)	(NA)
	Montgomery	6	...	44	135	29	53	81	290	191	367	114	38	115
14	Norfolk City	4	...	20	79	13	28	46	240	136	250	126	(NA)	(NA)
144	Princess Anne	3	...	25	85	22	42	74	195	110	300	5	27	272
	Richmond City:													
	Including operations in manufactures	11	2	[4]95	[4]390	[4]88	173	305	1,374	[3]463	[4]1,680	[5]157	(NA)	(NA)
14	Mineral industries only	5	2	82	359	75	150	274	937	412	1,192	157	(NA)	(NA)
	Rockbridge (mineral industries only)	4	3	88	244	82	161	190	387	(D)	625	(D)	98	475
142	Rockingham	6	3	103	321	83	142	233	668	356	874	150	88	468
12	Russell (Bituminous coal mining only)	37	9	1,290	6,421	1,042	1,810	5,063	9,321	5,174	13,324	1,171	498	2,421
	Scott	5	2	84	316	79	148	286	731	348	1,067	12	(NA)	(NA)
142	Shenandoah	6	2	144	450	121	211	354	1,182	746	1,760	168	80	422
	Smyth (mineral industries only)	5	...	51	130	44	76	108	336	121	440	17	272	1,342
12	Tazewell (Bituminous coal mining only)	69	9	983	4,132	743	1,114	2,614	4,651	4,548	8,921	278	(NA)	(NA)
	Washington (mineral industries only)	4	1	49	120	43	61	111	490	282	740	32	66	290
	Wise	172	28	3,082	12,562	(NA)	(NA)	(NA)	(NA)	(NA)	33,412	(NA)	(NA)	(NA)
12	Bituminous coal mining	169	28	3,059	12,485	2,683	4,398	10,889	21,342	14,105	33,231	2,216	2,696	15,235

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments, if any.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.
[6]Includes operations in manufactures.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Virginia, total.....	1,066	1,033	33	...	2	3	...	...	9	2	2	869	4	5	...	2	3	4	71	9	46	2	10	17	2	...	3	1
No employees.....	35	35	...	...	...	...	...	...	...	...	...	27	1	1	...	...	...	...	...	...	5	...	...	...	...	...	1	...
1-4 employees.....	332	315	17	...	2	1	...	...	3	...	...	287	...	2	...	1	2	1	3	3	12	1	1	12	...	...	1	...
5-9 employees.....	264	258	6	...	...	...	...	...	1	2	...	233	...	1	...	...	...	...	8	...	12	1	1	5	...	...	...	...
10-19 employees...	231	229	2	...	...	...	...	...	4	...	1	195	1	1	...	1	1	1	18	1	6	...	1	...	...	...	...	...
20-49 employees...	144	138	6	...	...	1	...	...	1	...	1	85	1	...	...	...	...	2	36	4	6	...	6	...	1	...	...	...
50-99 employees...	37	36	1	...	...	...	...	...	...	...	...	24	1	...	...	...	...	...	6	1	4	...	1	...	...	...	...	...
100-249 employees.	14	13	1	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	1
250-499 employees.	8	8	...	...	...	1	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
500-999 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Albermarle:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Alexandria City:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Alleghany:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Amherst:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Appomattox:																												
0-19 employees....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arlington:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Augusta:																												
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Bedford:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Bland:																												
0-19 employees....	2	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Botetourt:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...	...	...
Brunswick:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Buchanan:																												
0-19 employees....	397	397	...	...	...	...	...	...	...	...	...	389	1	3	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	60	60	...	...	...	...	...	...	...	...	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buckingham:																												
0-19 employees....	2	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...	...
Campbell:																												
0-19 employees....	2	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Caroline:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Carroll:																												
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Chesterfield:																											
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Clarke:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Craig:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Culpeper:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Dickenson:																											
0-19 employees....	81	81	...	...	...	...	...	...	...	...	...	79	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	12	12	...	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dinwiddie:																											
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Fairfax:																											
0-19 employees....	4	4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...
Fauquier:																											
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Frederick:																											
0-19 employees....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...
20-99 employees...	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	...
Giles:																											
0-19 employees....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...
Goochland:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Greensville:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Hampton:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Hanover:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Henrico:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Henry:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Isle of Wight:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
James City:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
King William:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Lee:																											
0-19 employees....	43	43	...	...	...	...	...	...	...	...	...	41	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Loudoun:																											
0-19 employees....	3	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Louisa:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lynchburg:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Middlesex:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Montgomery:																											
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Nansemond:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Nelson:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Norfolk:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Norfolk City:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	1	...
Nottoway:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Orange:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Patrick:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Pittsylvania:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Prince Edward:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Prince George:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Prince William:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Princess Anne:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Pulaski:																												
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
Richmond:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Richmond City:																												
0-19 employees....	9	3	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...	...	5	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Roanoke:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	1	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Rockbridge:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
Rockingham:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Russell:																												
0-19 employees....	28	28	...	...	...	...	...	...	...	...	...	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Shenandoah:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Smyth:																												
0-19 employees....	6	5	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...
Spotsylvania:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Stafford:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

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	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Staunton:																											
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Tazewell:																											
0-19 employees....	62	60	2	...	...	...	...	...	...	...	...	60	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Warren:																											
0-19 employees....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Washington:																											
0-19 employees....	3	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Waynesboro:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Westmoreland:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wise:																											
0-19 employees....	144	144	...	...	...	...	...	...	...	...	...	139	2	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	21	21	...	...	...	...	...	...	...	...	...	19	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wythe:																											
0-19 employees....	8	8	...	...	...	1	...	...	1	4	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

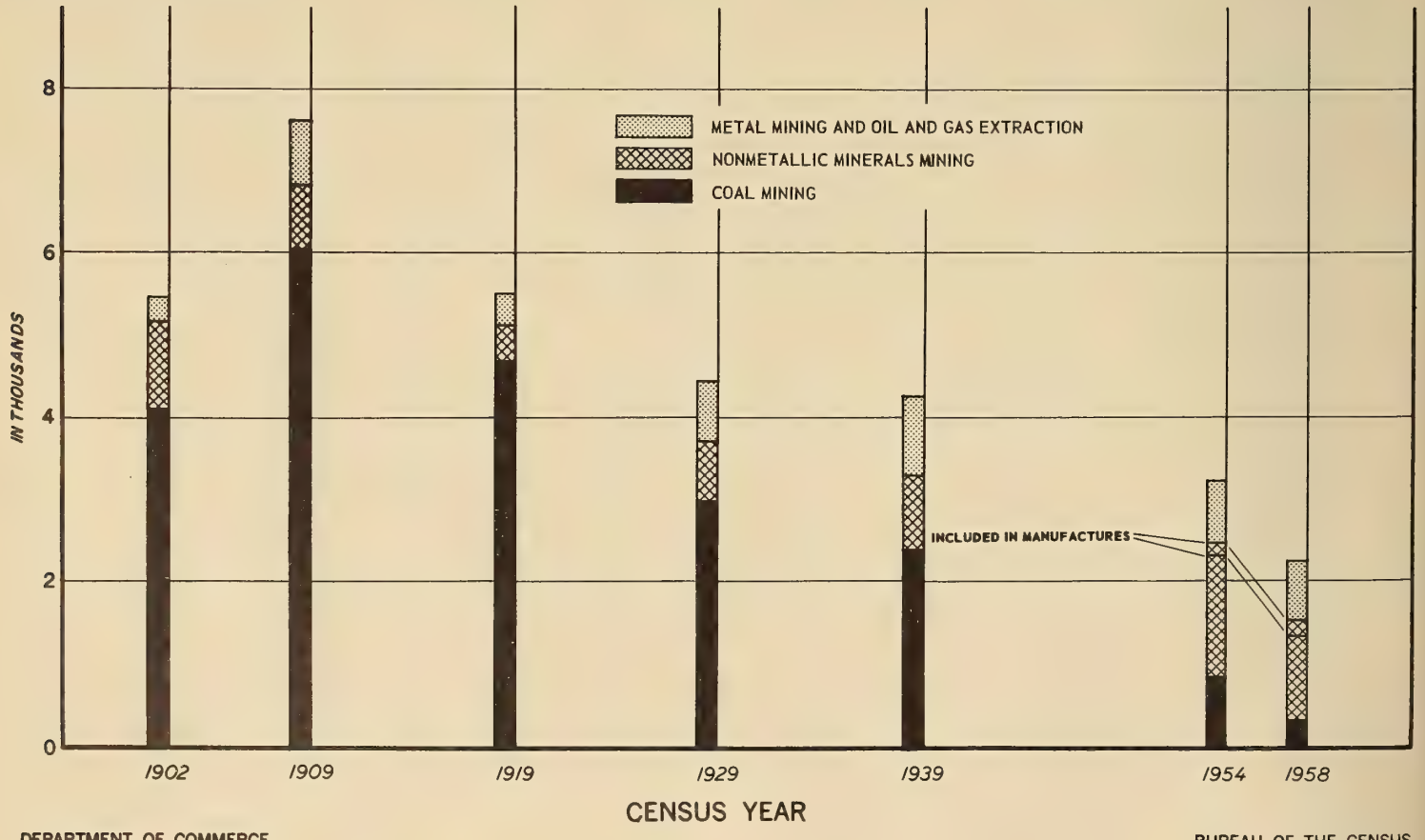
WASHINGTON

44-1

EMPLOYMENT IN MINING BY COUNTY: 1958
WASHINGTON



EMPLOYMENT IN MINING
Including Mining in Manufactures: 1902-1958
WASHINGTON

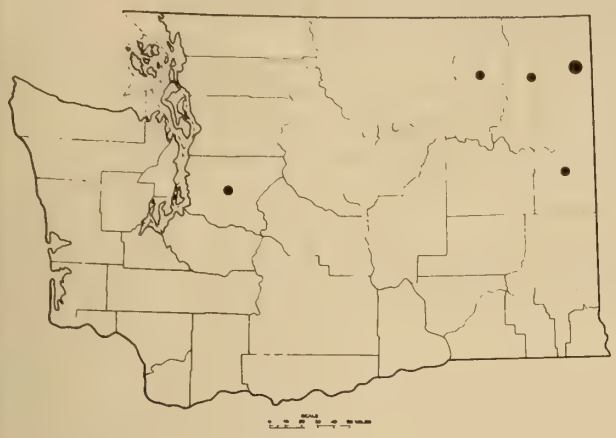


DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

MINING IN WASHINGTON

Employment For Industry Group By County: 1958

Metal Mining



Coal Mining



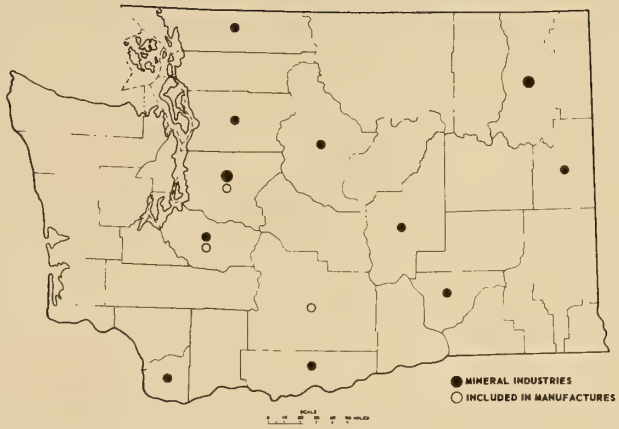
General Extent of Coal Fields

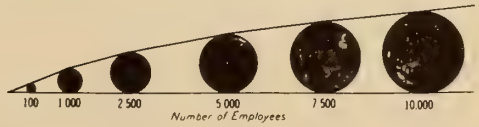
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





U. S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	200	28	2,035	r10,891	1,597	2,792	7,881	23,917	[2]9,480	([2])	1,974	1,568	34,136	2,803	r475	r297
1954	287	33	3,096	14,218	2,515	4,651	10,840	[3]22,346	7,549	214	1,740	2,387	[3]31,404	2,857	404	161
Including operations in manufactures:																
1958	239	30	2,236	r11,977	1,795	3,187	8,944	28,386	[2]10,095	([2])	[2]1,974	[4]1,583	39,220	[4]2,818	r [4]481	r268
1954[5]	311	35	3,228	14,781	2,647	4,912	11,403	[3]25,182	[2]8,307	214	[2]1,740	[4]2,387	[3]34,998	[4]2,857	[4]404	153
1939[6]	[7]177	(NA)	4,248	6,203	3,894	6,608	5,376	11,075	2,554	(NA)	65	(NA)	13,694	(NA)	251	64
1929[8]	141	(NA)	4,425	7,196	4,131	(NA)	6,480	11,057	2,282	(NA)	28	659	13,367	(NA)	541	131
1919[9]	98	(NA)	5,487	8,330	5,155	(NA)	7,629	10,387	2,848	...	94	(NA)	13,329	(NA)	[10]1,602	311
1909[9]	425	(NA)	7,604	3,399	7,420	(NA)	3,128	6,063	1,195	156	45	(NA)	7,459	(NA)	(NA)	(NA)
1902[11]	[7]241	(NA)	5,467	4,732	[12]5,087	(NA)	4,292	4,435	853	(NA)	106	(NA)	5,394	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years represents net production and excludes this duplication.

[2]The cost of minerals received for preparation is included with the cost of supplies, purchases for resale, and purchased fuels and electricity. For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Excludes data for dimension stone dressing, if any, in conjunction with one dimension granite and 2 dimension sandstone quarries.

[7]Represents number of mines and quarries and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for common clay and shale operations. There were 10 such mines in 1939 with products valued at $50 thousand. Also, excludes data for oil and gas extraction operations, if any.

[9]Excludes data for sand and gravel operations and for stone quarries operated as parts of cement and lime establishments. In 1929 there were 21 such sand and gravel establishments, with products valued at $1,096 thousand; 5 such stone quarries at cement establishments, with stone products valued at $562 thousand; and 2 such stone quarries at lime establishments. See also footnote 8.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to 8 percent of the total kwh equivalent of energy used.

[11]Excludes data for sand, gravel, common clay, and shale operations. Includes data for lime plants producing lime valued at $186 thousand.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.–General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	239	30	2,236	r11,977	1,795	3,187	8,944	28,386	[2]13,652	[3]39,220	[4]2,818	3,228	[5]25,182
	Mineral industries	200	28	2,035	r10,891	1,597	2,792	7,881	23,917	13,022	34,136	2,803	3,096	[5]22,346
	Included in manufactures	39	2	[3]201	[3]1,086	[3]198	395	1,063	4,469	[2]630	[3]5,084	[4]15	[3]132	2,836
10	Metal mining	49	6	585	r3,266	[6]473	[6]952	[6]2,453	[6]9,798	5,405	[6]15,197	704	787	[5]6,085
102 103 104	Copper, lead, zinc, gold, and silver ores	29	...	424	2,478	304	601	1,637	5,522	2,186	7,366	342	(NA)	(NA)
109	Miscellaneous metal ores	17	1	127	611	98	212	461	3,885	3,051	(D)	(D)	(NA)	(NA)
1094	Uranium-radium-vanadium ores	13	1	108	504	83	179	380	3,696	2,965	6,574	87	(NA)	(NA)
12	Bituminous coal mining (Bituminous coal)	13	5	276	1,360	245	391	1,202	1,609	1,015	2,535	89	827	3,263
13	Oil and gas extraction	9	2	129	1,055	(6)	(6)	(6)	(6)	878	(6)	180		
	Nonmetallic minerals mining	168	17	1,246	6,296	1,077	1,844	5,289	16,979	[2]6,354	[3]21,488	[4]1,845	1,614	15,834
14	Mineral industries	129	15	1,045	5,210	879	1,449	4,226	12,510	5,724	16,404	1,830	1,482	12,998
	Included in manufactures	39	2	[3]201	[3]1,086	[3]198	395	1,063	4,469	[2]630	[3]5,084	[4]15	[3]132	2,836
1421	Crushed and broken stone (mineral industry only)	41	4	385	1,869	323	509	1,507	3,552	1,895	4,660	787	[7]452	[7]5,489
	Crushed and broken stone, n.e.c. (mineral subindustry)	23	3	228	1,154	186	294	873	1,882	1,090	2,626	346	(NA)	(NA)
	Sand and gravel	81	9	517	2,639	450	847	2,280	9,157	2,986	11,234	(NA)	(NA)	(NA)
1441	Mineral industry	61	9	427	2,148	360	667	1,789	5,942	2,634	7,667	909	914	8,601
	Included in manufactures	20	...	[3]90	[3]491	[3]90	180	491	3,215	[2]352	[3]3,567	(NA)	(NA)	(NA)
	Clay and related minerals	15	r1	[3]204	[3]1,080	[3]177	241	863	2,618	[2]949	[3]3,492	[4]75	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. rRevised.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations; hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.
[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Figures for Oil and Gas Extraction are combined with those for Metal Mining.
[7]Includes data for mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	13,022	[3]9,480	([3])	1,974	1,568	2,803	490	2,313	xxx	xxx	xxx	xxx
10	Metal mining	5,405	[3]4,282	([3])	873	250	704	215	489	xxx	xxx	xxx	xxx
102 103 104	Copper, lead, zinc, gold, and silver ores	2,186	[4]2,064	...	([4])	122	342	54	288	[5]973	(NA)	(NA)	(NA)
1094	Uranium-radium-vanadium ores	2,965	[3] [4]2,938	([3])	([4])	27	87	39	48	[6]153	[7]306	(NA)	([7])
1211	Bituminous coal	1,015	453	500	1	61	89	25	64	260	2,037	...	...
13	Oil and gas extraction	878	197	...	671	10	180	171	9	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining	5,724	[3]4,048	([3])	429	1,247	1,830	79	1,751	xxx	xxx	xxx	xxx
1441	Sand and gravel	2,634	1,923	...	123	588	909	32	877	8,264	[8]11,399	[9]3,512	([8])

NA Not available.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for the cost of minerals received for preparation are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Figures for the cost of contract work are included with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Represents crude ores mined; does not include placer gravels.

[6]Represents crude ores mined.

[7]The value of primary products shipped in other industries is included with the value of primary products shipped in the specified industry. The figure shown represents gross shipments of primary products.

[8]Figures for the value of primary products shipped in other industries are combined with those for the value of primary products shipped in the specified industry. Includes the estimated value of minerals produced and used in the same manufacturing establishment.

[9]Includes sand and gravel produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	195	162	60	13	39	8	99	12	80	7	3	33
	Number of employees	1,980	1,829	245	94	116	35	1,567	509	895	163	17	151
	Value added in mining, $1,000	22,938	23,386	2,210	1,099	1,070	41	21,052	6,042	13,373	1,637	124	([3])
10	Metal mining:												
	Number of establishments	48	23	14	6	6	2	9	6	3	...	...	25
	Number of employees	552	486	(D)	25	48	(D)	(D)	334	(D)	...	...	66
	Value added in mining, $1,000	[4]9,274	[4]9,717	(D)	662	218	(D)	(D)	5,067	(D)	...	...	([3])
102, 103, 104	Copper, lead, zinc, gold, and silver ores:												
	Number of establishments	29	8	4	3	1	...	4	3	1	...	...	21
	Number of employees	424	370	(D)	(D)	(D)	...	(D)	317	(D)	...	...	54
	Value added in mining, $1,000	5,522	5,481	(D)	(D)	(D)	...	(D)	4,895	(D)	...	...	41
1094	Uranium-radium-vanadium ores:												
	Number of establishments	13	10	9	3	5	1	1	...	1	...	...	3
	Number of employees	108	(D)	24	(D)	(D)	(D)	(D)	...	(D)	...	...	(D)
	Value added in mining, $1,000	3,696	(D)	(D)	(D)	(D)	(D)	(D)	...	(D)	...	...	(D)
1211	Bituminous coal:												
	Number of establishments	13	13	8	7	1	...	4	3	...	1	1	...
	Number of employees	276	276	70	(D)	(D)	...	(D)	(D)	...	(D)	(D)	...
	Value added in mining, $1,000	1,609	1,609	458	(D)	(D)	...	(D)	(D)	...	(D)	(D)	...
13	Oil and gas extraction:												
	Number of establishments	6	1	1	...	...	1	...	...	...	...	...	5
	Number of employees	[5]129	[5]45	[5]45	...	...	[5]45	...	...	...	...	...	84
	Value added in mining, $1,000	([4])	([4])	([4])	...	...	([4])	...	...	...	...	...	([4])
14	Nonmetallic minerals mining:												
	Number of establishments	128	125	37	...	32	5	86	3	77	6	2	3
	Number of employees	[6]1,045	[6]1,044	(D)	...	(D)	8	963	(D)	819	(D)	(D)	1
	Value added in mining, $1,000	[6]12,510	[6]12,515	(D)	...	(D)	121	11,544	(D)	(D)	(D)	(D)	([3])
144	Sand and gravel:												
	Number of establishments	61	61	17	...	12	5	43	...	37	6	1	...
	Number of employees	427	427	16	...	8	8	(D)	...	300	(D)	(D)	...
	Value added in mining, $1,000	5,942	5,942	368	...	247	121	(D)	...	4,314	(D)	(D)	...

D Withheld to avoid disclosing data for individual companies.

[1]Includes data for 5 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for 4 sand and gravel establishments for which the method of mining was not specified.

[3]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures. For Metal Mining Industries, see also footnote 4.

[4]Figures for Oil and Gas Extraction Industries, including Oil and Gas Field Services Industries, are included with those for Metal Mining Industries.

[5]Includes data for Oil and Gas Field Services Industries.

[6]Includes data for Nonmetallic Minerals Services Industries.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	WASHINGTON:													
	All mineral operations	239	30	2,236	r11,977	1,795	3,187	8,944	28,386	[3]13,652	[4]39,220	[5]2,818	3,228	25,182
	Mineral industries	200	28	2,035	r10,891	1,597	2,792	7,881	23,917	13,022	34,136	2,803	3,096	22,346
	Included in manufactures	39	2	[4]201	[4]1,086	[4]198	395	1,063	4,469	[3]630	[4]5,084	[5]15	[4]132	2,836
	COUNTIES													
	Chelan	7	2	54	327	39	68	263	955	279	1,180	54	372	2,975
14	Clark (mineral industries only)	8	...	38	148	35	62	136	446	143	430	159	62	380
14	Grant (mineral industries only)	10	3	119	566	102	165	440	1,232	946	2,002	176	63	525
144	Sand and gravel (mineral industries only)	6	2	70	299	62	91	214	888	539	1,321	106	(NA)	(NA)
	Grays Harbor	5	...	40	242	(NA)	(NA)	(NA)	(NA)	(NA)	301	(NA)	[6]40	(NA)
	King, total	51	7	413	2,422	(NA)	(NA)	(NA)	(NA)	(NA)	[4]4,558	(NA)	(NA)	(NA)
	Mineral industries	42	7	356	2,101	(NA)	(NA)	(NA)	(NA)	(NA)	3,394	(NA)	[6]432	[7]2,863
	Included in manufactures	9	...	[4]57	[4]321	[4]57	113	321	1,067	(NA)	[4]1,164	(NA)	(NA)	(NA)
10 12	Metal mining and Bituminous coal mining	16	3	117	569	106	197	520	866	(D)	(D)	257	(NA)	(NA)
14	Nonmetallic minerals mining (mineral industries only)	23	2	159	795	112	230	575	1,469	664	1,900	233	(NA)	(NA)
14	Klickitat	5	1	35	143	30	52	124	477	217	580	114	(NA)	(NA)
	Lewis (mineral industries only)	5	...	17	92	(NA)	(NA)	(NA)	(NA)	(NA)	258	(NA)	[6]48	[7]451
	Okanogan	10	...	15	45	13	16	37	([8])	91	36	37	51	430
142	Pacific	3	...	18	63	16	26	55	167	102	246	23	25	145
	Pend Oreille (including operations in manufactures)	8	2	[4]258	[4]1,414	[4]205	395	1,052	2,034	[3]1,532	[4]3,425	[5]141	[9]214	[9]1,599
	Pierce:													
	Including operations in manufactures	8	3	[4]122	[4]796	[4]112	224	694	2,082	(D)	[4]2,506	(D)	(NA)	(NA)
14	Mineral industries only	5	2	81	567	74	148	488	1,484	495	1,810	169	283	2,359
	Skagit (mineral industries only)	9	...	18	39	16	17	34	144	43	156	31	32	270
	Snohomish (mineral industries only)	12	...	42	221	34	84	172	545	173	545	173	81	556
	Spokane:													
	Including operations in manufactures	23	r2	[4]157	[4]784	[4]106	169	422	1,405	[3]766	[4]1,925	[5]246	[4]206	2,041
	Mineral industries only	17	1	140	712	89	140	350	1,084	724	1,562	246	190	1,891
14	Nonmetallic minerals mining (mineral industries only)	8	1	73	310	66	95	281	867	607	1,271	203	(NA)	(NA)
	Stevens (mineral industries only)	21	2	329	1,644	264	377	1,246	6,459	3,932	10,113	278	238	1,637
	Whatcom (mineral industries only)	6	1	53	275	51	97	266	925	162	925	162	127	1,074
14	Yakima (mineral industries only)	6	...	10	53	10	26	53	167	38	179	26	84	840
13	Undistributed (oil and gas extraction)	3	...	5	32	(NA)	(NA)	(NA)	(NA)	(NA)	29	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. rRevised.
NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown for such operations, which were not reported separately, were obtained by allocating the totals reported for each company on the basis of the reported county data.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[4]See table 2A, footnote 3.

[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Excludes data for the Oil and Gas Field Services Industries.

[7]Excludes data for 2 establishments in the Crude Petroleum and Natural Gas Industry. See also footnote 6.

[8]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded value of shipments plus capital expenditures.

[9]Represents mineral industries only.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Washington, total..	239	200	39	...	4	12	13	...	2	1	17	13	...	6	...	3	1	5	41	5	61	20	6	9	1	1	18	...
No employees.....	35	31	4	...	...	3	4	...	1	...	2	...	...	1	...	...	...	2	1	...	9	...	2	2	...	...	8	...
1-4 employees....	110	88	22	...	2	5	7	...	1	...	9	6	...	2	...	1	...	r1	16	...	27	14	1	r7	1	1	9	...
5-9 employees....	38	32	6	...	2	1	...	...	...	...	4	1	...	1	...	1	...	...	10	2	10	4	2	...	...	...	...	...
10-19 employees..	26	21	5	...	...	1	...	...	...	...	1	1	...	...	...	1	1	...	10	3	6	2	...	...	...	...	...	...
20-49 employees..	23	21	2	...	...	...	1	...	...	1	...	3	...	2	...	...	...	r2	4	...	9	...	...	...	...	...	1	...
50-99 employees..	4	4	...	...	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	3	3	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
COUNTIES																												
Adams:																												
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Benton:																												
0-19 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
Chelan:																												
0-19 employees...	5	5	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	1	...
20-99 employees..	2	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Clark:																												
0-19 employees...	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	4	1	...	...	...	...	1	...
Columbia:																												
0-19 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cowlitz:																												
0-19 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Douglas:																												
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Ferry:																												
0-19 employees...	2	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Franklin:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Grant:																												
0-19 employees...	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	2	...	...	1	...	...	...
20-99 employees..	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...
Grays Harbor:																												
0-19 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	2	...	...	...	...	...	...	...
Island:																												
0-19 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
Jefferson:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
King:																												
0-19 employees...	44	35	9	...	1	1	...	...	...	1	5	5	...	...	...	1	1	1	3	1	7	4	2	3	...	...	8	...
20-99 employees..	7	7	...	...	...	...	...	...	...	...	...	3	...	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Kitsap:																												
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Kittitas:																												
0-19 employees...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Klickitat:																												
0-19 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Lewis:																												
0-19 employees...	6	5	1	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	1	...	...	...	...	1	...	...	...	...
Mason:																												
0-19 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...

[1]See table 3, footnote 2.
rRevised.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Okanogan:																											
0-19 employees...	10	10	...	...	...	3	3	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...
Pacific:																											
0-19 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...
Pend Oreille:																											
0-19 employees...	6	4	2	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...	...
20-99 employees..	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pierce:																											
0-19 employees...	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	2	...	...	...	...	...	...
20-99 employees..	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	...	...	...	...
San Juan:																											
0-19 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Skagit:																											
0-19 employees...	12	9	3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	2	2	1	...	...	...	4	...
Skamania:																											
0-19 employees...	2	2	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Snohomish:																											
0-19 employees...	14	12	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	5	2	...	...	...	...	1	...
Spokane:																											
0-19 employees...	22	16	6	...	...	1	1	...	...	1	6	...	...	...	...	...	...	r1	2	1	4	...	1	3	...	...	...	...
20-99 employees..	r2	1	r1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	r1	...	...	1	...	...	...	...	...	...	...
Stevens:																											
0-19 employees...	20	19	1	...	...	3	...	...	...	3	3	...	...	...	...	...	...	...	8	...	1	1	...	...	...	1	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Thurston:																											
0-19 employees...	5	5	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Wahkiakum:																											
0-19 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Walla Walla:																											
0-19 employees...	4	3	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...
Whatcom:																											
0-19 employees...	6	5	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Yakima:																												
0-19 employees...	r10	6	r4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	5	1	1	r1	...	...	...	...
Undistributed:																											
0-19 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...

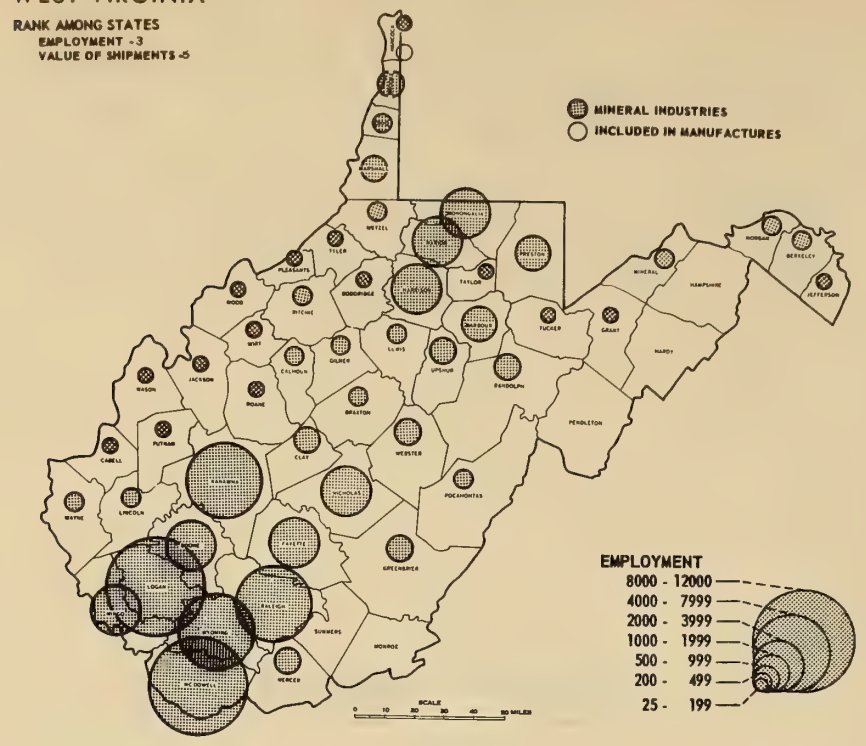
[1]See table 3, footnote 2.
[r]Revised.

WEST VIRGINIA

45-1

EMPLOYMENT IN MINING BY COUNTY: 1958

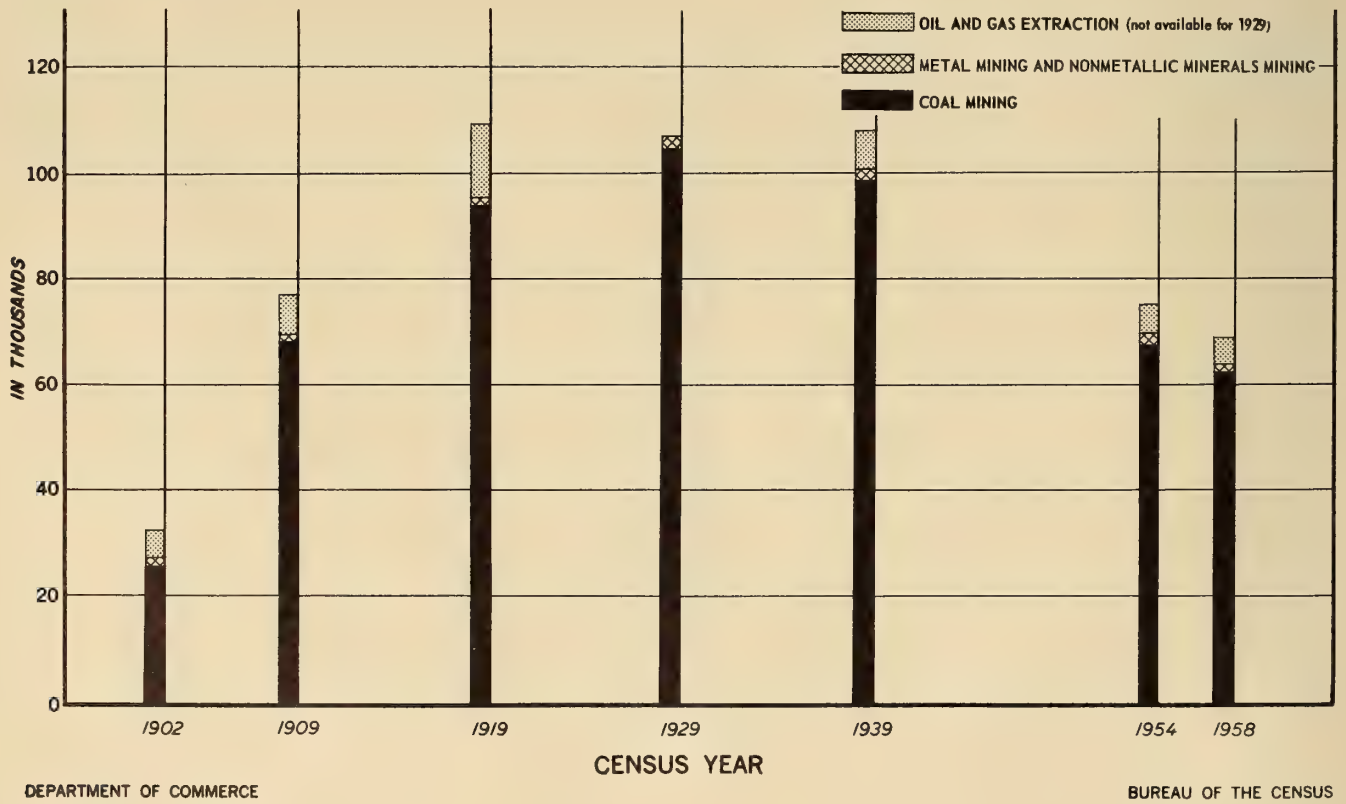
WEST VIRGINIA



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

WEST VIRGINIA



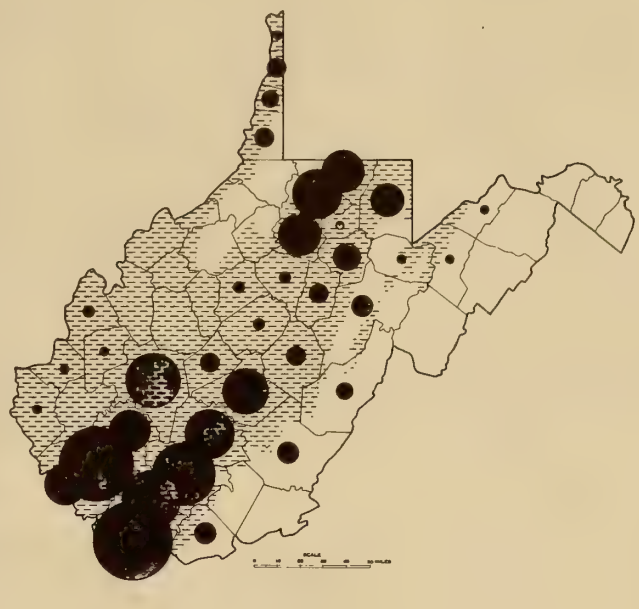
MINING IN WEST VIRGINIA

Employment For Industry Group By County: 1958

Metal Mining

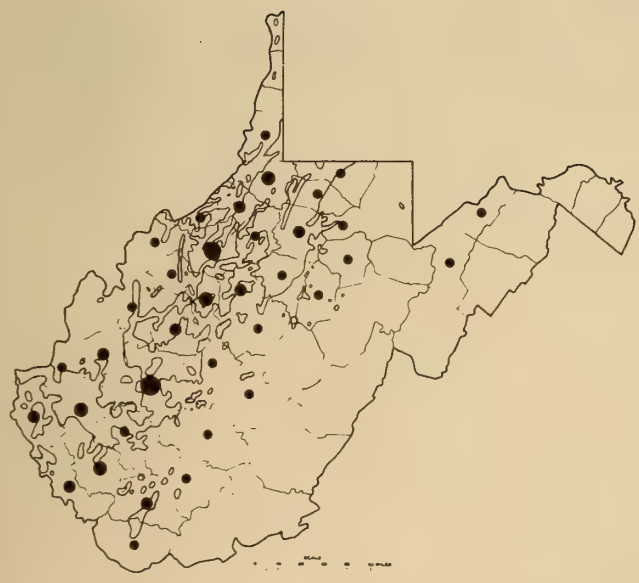


Coal Mining



General Extent of Coal Fields

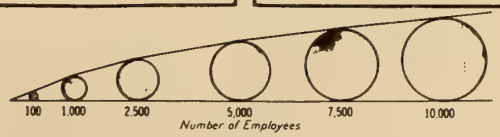
Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining





DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[2]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation[1]	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	r2,817	472	68,603	334,029	60,160	100,839	282,825	606,633	163,152	122,885	22,946	51,493	890,770	76,339	6,922	115
1954	2,322	462	74,715	307,465	68,340	114,929	272,734	513,492	149,623	58,982	26,772	46,161	736,026	59,004	5,885	86
Including operations in manufactures:																
All operations:																
1958	r2,826	474	68,715	334,601	60,272	101,060	283,397	607,943	[3]163,456	122,885	[3]22,946	[4]51,493	892,384	[4]76,339	[4]6,922	115
1954[5]	2,339	467	75,073	308,745	68,698	115,644	274,014	515,807	[3]150,663	58,982	[3]26,772	[4]46,161	739,381	[4]59,004	[4]5,885	86
1939[6]	[7]1,351	(NA)	107,260	139,827	102,302	156,344	128,978	187,547	34,319	(NA)	2,400	(NA)	224,266	(NA)	5,662	55
1919[8]	1,722	(NA)	108,688	134,564	100,830	(NA)	119,597	238,077	47,713	[9]5,872	3,945	(NA)	295,607	(NA)	[10]12,634	125
1909[8]	908	(NA)	76,993	39,869	73,474	(NA)	36,027	57,845	12,972	[9]894	4,577	(NA)	76,288	(NA)	(NA)	(NA)
1902[11]	[7]5,338	(NA)	32,681	19,948	[12]30,053	(NA)	17,497	34,546	8,593	(NA)	5,239	(NA)	48,378	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	r1,808	431	63,553	315,814	55,855	92,630	267,958	554,150	[3]149,363	100,547	[3]15,663	[4]43,252	806,228	[4]56,747	[4]3,548	64
1954[5]	1,425	426	69,631	291,934	63,789	106,875	259,400	453,047	[3]140,276	56,880	[3]19,367	[4]41,875	666,925	[4]44,520	[4]3,843	60
1939[13]	[7]800	(NA)	99,900	130,748	95,788	145,328	121,531	164,566	31,495	(NA)	380	(NA)	196,441	(NA)	3,650	38
1929[14]	740	(NA)	106,578	141,337	101,422	(NA)	128,906	189,093	34,544	(NA)	294	8,272	223,931	(NA)	4,922	49
1919[8]	966	(NA)	95,024	119,627	88,523	(NA)	107,176	163,366	32,317	...	406	(NA)	196,089	(NA)	[10]8,923	101
1909[8]	458	(NA)	69,526	34,678	66,717	(NA)	31,628	41,821	6,163	...	126	(NA)	48,110	(NA)	(NA)	(NA)
1902[11]	[7]839	(NA)	27,698	16,139	[12]25,619	(NA)	14,313	23,347	2,533	(NA)	68	(NA)	25,948	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For years prior to 1958, excludes the cost of natural gas processed at natural gas liquids plants.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years the figures represent net production and exclude this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants, but for 1954 includes the estimated value prior to processing of natural gas liquids contained in such gas.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Excludes data for sand and gravel mining operations in manufacturing establishments.

[6]Excludes data for dimension stone dressing, if any, in conjunction with one sandstone quarry. For "All operations" includes data for one or two gas field hauling operations, with receipts for services amounting to less than $45 thousand; such operations were not classified in the mineral industries for later years.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale mining operations and for crushed and broken stone quarries operated as parts of cement and lime establishments. For 1939, the value of products of such establishments (except stone quarries at cement plants) was $2,503 thousand.

[9]Includes gas purchased for resale without processing.

[10]Excludes purchased electricity. For "All operations" in 1939, the quantity of purchased electricity amounted to 10 percent of the total kwh equivalent of energy used; and for "Excluding oil and gas extraction industries" in 1929, to 11 percent.

[11]Excludes data for sand, gravel, common clay, shale, and nonproducing operations. Includes data for lime plants producing lime valued at $182 thousand and for one cement plant.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for 3 nonproducing coal mines. See also footnote 6.

[14]Excludes data for one nonproducing establishment.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	r2,826	474	68,715	334,601	60,272	101,060	283,397	607,943	[2]360,780	[3]892,384	(NA)	75,073	515,807
	Mineral industries	r2,817	472	68,603	334,029	60,160	100,839	282,825	606,633	360,476	890,770	76,339	74,715	513,492
	Included in manufactures	9	2	[3]112	[3]572	[3]112	221	572	1,310	[2]304	[3]1,614	(NA)	[3]358	2,315
12	Bituminous coal mining	r1,750	410	62,110	309,495	54,656	90,386	263,041	537,591	303,338	785,118	55,811	67,441	434,141
1211	Bituminous coal	1,704	404	61,634	307,369	54,220	89,663	261,052	533,574	301,069	779,262	55,381	67,056	431,087
1213	Coal stripping services, nec	40	6	426	2,023	387	645	1,822	3,681	2,085	5,364	402	385	3,054
1214	Coal mining services, nec	r6	...	50	103	49	78	167	336	184	492	28		
13	Oil and gas extraction	1,008	43	5,162	18,787	4,417	8,436	15,439	53,793	51,955	86,156	19,592	5,442	62,760
1311	Crude petroleum and natural gas	831	25	3,789	13,281	3,128	5,712	10,326	39,382	19,957	45,742	13,597	3,837	48,525
	Crude petroleum	317	6	1,204	4,242	1,100	2,056	3,824	6,148	2,646	7,715	1,079	1,340	7,224
	Natural gas	514	19	2,585	9,039	2,028	3,656	6,502	33,234	17,311	38,027	12,518	2,497	41,301
1321	Natural gas liquids	38	4	343	1,862	323	649	1,731	8,501	28,759	31,895	5,365	430	[4]6,770
138	Oil and gas field services	139	14	1,030	3,644	966	2,075	3,382	5,910	3,239	8,519	630	1,175	7,465
1381	Drilling oil and gas wells	102	14	901	3,263	852	1,899	3,058	5,041	2,730	7,164	607	966	6,449
1389	Oil and gas field services, nec.	37	...	129	381	114	176	324	869	509	1,355	23	209	1,016
	Metal mining and Nonmetallic minerals mining	68	21	1,443	6,319	1,199	2,238	4,917	16,559	[2]5,487	[3]21,110	(NA)	2,190	18,906
10&14	Mineral industries	59	19	1,331	5,747	1,087	2,017	4,345	15,249	5,183	19,496	936	1,832	16,591
	Included in manufactures	9	2	[3]112	[3]572	[3]112	221	572	1,310	[2]304	[3]1,614	(NA)	[3]358	2,315
1421	Crushed and broken stone (mineral industry only)	30	10	683	2,888	580	1,023	2,180	6,790	2,697	9,018	469	[5]1,237	[5]10,417
	Crushed and broken limestone (mineral subindustry only)	23	10	644	2,766	546	972	2,079	6,566	2,605	8,704	467	910	6,538
1441	Sand and gravel (mineral industry only)	25	8	620	2,786	490	964	2,112	8,312	2,390	10,275	427	757	7,107
	Clay and related minerals	7	1	[3]92	[3]483	[3]91	179	473	586	[3]311	[3]897	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations.

[4]For 1954, no data were obtained on the cost of gas received for processing or on the value of residue gas. However, the estimated value, prior to processing, of natural gas liquids contained in such gas was used in computing value added in mining.

[5]Includes data for 4 mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	360,476	163,152	122,885	22,946	51,493	76,339	12,025	r64,314	xxx	xxx	xxx	xxx
12	Bituminous coal mining.....	303,338	145,128	100,547	15,406	42,257	55,811	3,125	r52,686	xxx	xxx	xxx	xxx
1211	Bituminous coal.....	301,069	143,412	100,547	15,189	41,921	55,381	3,125	52,256	124,193	674,478	...	...
1213	Coal stripping services, nec...	2,085	1,545	xxx	209	331	402	...	402	xxx	5,354	...	...
13	Oil and gas extraction.....	51,955	14,093	22,338	7,283	8,241	19,592	8,861	10,731	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	19,957	10,455	xxx	6,861	2,641	13,597	8,790	4,807	xxx	45,581	xxx	(D)
	Crude petroleum.....	2,646	1,487	xxx	779	380	1,079	459	620	[3]1,770	6,053	(D)	(D)
	Natural gas.....	17,311	8,968	xxx	6,082	2,261	12,518	8,331	4,187	[4]162,539	37,165	[4]6,942	1,627
1321	Natural gas liquids.....	28,759	1,100	22,338	278	5,043	5,365	...	5,365	[5]6,620	[5]10,702	...	...
138	Oil and gas field services.....	3,239	2,538	xxx	144	557	630	71	559	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells...	2,730	2,103	xxx	115	512	607	48	559	xxx	[6]6,672	xxx	([6])
10&14	Metal mining and Nonmetallic minerals mining.....	5,183	3,931	...	257	995	936	39	897	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	2,697	2,244	...	189	264	469	27	442	5,061	9,003	[7]167	71
	Crushed and broken limestone.	2,605	2,167	...	175	263	467	27	440	4,888	8,623	[7]164	69
1441	Sand and gravel.....	2,390	1,658	...	16	716	427	12	415	4,952	[6]8,647	216	([6])

D Withheld to avoid disclosing data for individual companies. r Revised.

[1] Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2] Represents expenditures during the year for both new and used plant and equipment.

[3] Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[4] Represents millions of cubic feet of natural gas shipped.

[5] Represents net shipments of natural gas liquids only. Quantity is in thousands of barrels.

[6] Figures for primary products or services produced or performed in other industries are included with those for primary products or services produced or performed in the specified industry.

[7] Includes stone produced and used at the same establishment in making manufactured products and thus is not comparable to the value figure shown in the succeeding column which represents only the value of net shipments.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	2,632	2,591	2,058	1,087	100	871	431	273	70	88	102	41
	Number of employees	67,097	[2]67,023	[3]18,268	13,153	[3]715	4,400	[3]47,512	[3]40,507	[3]1,524	[3]5,481	1,243	74
	Value added in mining, $1,000	596,706	596,823	[3]133,423	82,697	[3]5,029	45,697	[3]442,929	[3]376,729	[3]14,968	[3]51,232	20,471	([4])
12	Bituminous coal mining:												
	Number of establishments	1,704	1,689	1,245	1,087	95	63	378	272	32	74	66	15
	Number of employees	61,634	(D)	14,501	13,153	715	633	46,182	40,507	574	5,101	(D)	(D)
	Value added in mining, $1,000	533,574	(D)	93,949	82,697	5,029	6,223	427,671	376,729	4,987	45,955	(D)	(D)
13	Oil and gas extraction:												
	Number of establishments	869	844	808	...	...	808	...	...	...	...	36	25
	Number of employees	4,132	(D)	3,767	...	...	3,767	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	47,883	(D)	39,474	...	...	39,474	...	...	...	...	(D)	(D)
10&14	Metal mining and Nonmetallic minerals mining:												
	Number of establishments	59	58	5	...	5	...	53	1	38	14	...	1
	Number of employees	1,331	(D)	([3])	...	([3])	...	(D)	(D)	[3]950	(D)	...	(D)
	Value added in mining, $1,000	15,249	(D)	([3])	...	([3])	...	(D)	(D)	[3]9,981	(D)	...	(D)
142	Crushed and broken stone:												
	Number of establishments	30	30	1	...	1	...	29	1	26	2	...	...
	Number of employees	683	683	(D)	...	(D)	...	681	(D)	483	(D)	...	...
	Value added in mining, $1,000	6,790	6,790	(D)	...	(D)	...	6,784	(D)	4,778	(D)	...	...
144	Sand and gravel:												
	Number of establishments	25	25	2	...	2	...	23	...	11	12	...	...
	Number of employees	620	620	(D)	...	(D)	...	(D)	...	(D)	182	...	...
	Value added in mining, $1,000	8,312	8,312	(D)	...	(D)	...	(D)	...	(D)	3,271	...	...

D Withheld to avoid disclosing data for individual companies.

[1]Includes data for 3 sand and gravel establishments for which the method of mining was not specified.

[2]Includes data for some separately reported central offices and related facilities. These were not assigned by type of operation.

[3]Figures for 5 open-pit nonmetallic mineral mines only are included with the figures for open-pit mines with preparation plants. Figures for one underground stone quarry are included with figures for combination methods and other methods.

[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	WEST VIRGINIA:													
	All mineral operations	r2,826	474	68,715	334,601	60,272	101,060	283,397	607,943	[4]360,780	892,384	[5]76,339	75,073	515,807
	Mineral industries	r2,817	472	68,603	334,029	60,160	100,839	282,825	606,633	360,476	890,770	76,339	74,715	513,492
	Included in manufactures	9	2	[6]112	[6]572	[6]112	221	572	1,310	[4]304	1,614	(NA)	[6]358	2,315
	COUNTIES													
	Barbour	46	12	1,109	5,265	(NA)	(NA)	(NA)	(NA)	(NA)	15,198	(NA)	[7]1,154	(NA)
12	Bituminous coal mining	41	11	1,083	5,173	964	1,538	4,269	10,342	5,790	15,103	1,029	[8]1,126	[8]8,248
142	Berkeley	4	4	222	1,045	187	360	763	2,340	829	3,080	89	285	1,735
	Boone	79	15	2,498	13,076	(NA)	(NA)	(NA)	(NA)	(NA)	31,712	(NA)	[7]3,248	(NA)
12	Bituminous coal mining	55	14	2,441	12,875	2,187	3,639	11,454	21,154	11,765	30,398	2,521	[8]3,132	[8]20,915
13	Oil and gas extraction	24	1	57	201	(NA)	(NA)	(NA)	(NA)	(NA)	1,314	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	21	1	56	197	(NA)	(NA)	(NA)	(NA)	(NA)	1,122	(NA)	(NA)	(NA)
	Braxton	25	3	202	739	(NA)	(NA)	(NA)	(NA)	(NA)	1,548	(NA)	[7]87	(NA)
12	Bituminous coal mining	6	3	152	563	146	229	548	673	852	1,042	483	61	168
	Brooke	15	6	504	2,072	(NA)	(NA)	(NA)	(NA)	(NA)	3,849	(NA)	[7]700	(NA)
12	Bituminous coal mining	10	5	470	1,891	417	612	1,450	2,892	749	3,479	162	[8]672	[8]4,198
	Cabell (mineral industries only)	37	1	185	1,112	(NA)	(NA)	(NA)	(NA)	(NA)	828	(NA)	[7]160	(NA)
13	Calhoun	103	3	267	939	(NA)	(NA)	(NA)	(NA)	(NA)	2,287	(NA)	[7]295	(NA)
131	Crude petroleum and natural gas	89	3	227	797	(NA)	(NA)	(NA)	(NA)	(NA)	1,912	(NA)	295	(NA)
	Clay	44	2	753	3,528	(NA)	(NA)	(NA)	(NA)	(NA)	4,925	(NA)	[7]739	(NA)
13	Doddridge	38	1	113	393	(NA)	(NA)	(NA)	(NA)	(NA)	716	(NA)	[7]99	(NA)
	Fayette	164	22	3,668	17,916	(NA)	(NA)	(NA)	(NA)	(NA)	42,315	(NA)	[7]4,709	(NA)
12	Bituminous coal mining	155	22	3,631	17,785	3,243	5,022	15,351	28,150	15,252	41,934	1,468	4,611	24,992
	Gilmer, total	77	6	337	1,215	(NA)	(NA)	(NA)	(NA)	(NA)	2,969	(NA)	[7]157	(NA)
12	Bituminous coal mining	11	4	183	673	168	242	602	1,774	1,484	1,568	1,690	59	155
13	Oil and gas extraction	66	2	154	542	(NA)	(NA)	(NA)	(NA)	(NA)	1,401	(NA)	[7]98	(NA)
	Grant	11	3	187	578	(NA)	(NA)	(NA)	(NA)	(NA)	675	(NA)	[7]144	(NA)
	Greenbrier	112	9	907	3,556	(NA)	(NA)	(NA)	(NA)	(NA)	10,321	(NA)	[7]916	(NA)
12	Bituminous coal mining	106	7	776	2,998	697	1,088	2,604	5,052	4,106	8,718	440	713	4,023
	Hancock (mineral industries only)	18	2	154	947	(NA)	(NA)	(NA)	(NA)	(NA)	4,924	(NA)	[7]130	(NA)
	Harrison, total	164	25	2,748	11,509	(NA)	(NA)	(NA)	(NA)	(NA)	39,193	(NA)	[7]2,609	(NA)
12	Bituminous coal mining, total	131	23	2,566	10,871	2,242	3,453	9,178	23,879	14,463	36,224	2,118	2,469	21,192
1211	Bituminous coal	119	23	2,480	10,583	2,161	3,333	8,909	22,984	14,036	35,049	1,971	2,454	21,139
12134	Bituminous coal services	12	...	86	288	81	120	269	895	427	1,175	147	15	53
13	Oil and gas extraction	33	2	182	638	(NA)	(NA)	(NA)	(NA)	(NA)	2,969	(NA)	(NA)	(NA)
13	Jackson	36	2	125	443	(NA)	(NA)	(NA)	(NA)	(NA)	1,151	(NA)	[7]85	(NA)
	Kanawha (mineral industries only):													
	Including oil and gas extraction	161	41	4,556	23,840	(NA)	(NA)	(NA)	(NA)	(NA)	59,198	(NA)	[7]4,900	(NA)
	Excluding oil and gas extraction	103	33	4,107	21,985	3,559	6,113	18,191	35,169	16,294	48,771	2,692	4,189	(D)
12	Bituminous coal mining	97	32	4,070	21,898	3,534	6,065	18,124	34,995	16,223	48,571	2,647	4,133	28,237
13	Oil and gas extraction	58	8	449	1,855	(NA)	(NA)	(NA)	(NA)	(NA)	10,427	(NA)	[7]711	(NA)
131	Crude petroleum and natural gas	44	6	293	1,029	(NA)	(NA)	(NA)	(NA)	(NA)	3,786	(NA)	541	(NA)
132	Natural gas liquids	7	2	131	738	121	244	669	1,724	4,563	6,226	61	170	1,917
	Lewis	34	4	359	1,379	(NA)	(NA)	(NA)	(NA)	(NA)	5,783	(NA)	[7]464	(NA)
12	Bituminous coal mining	7	3	221	907	191	377	796	2,073	1,413	3,329	157	153	1,147
131	Crude petroleum and natural gas	17	1	107	376	(NA)	(NA)	(NA)	(NA)	(NA)	2,148	(NA)	(NA)	(NA)
	Lincoln	88	3	281	990	(NA)	(NA)	(NA)	(NA)	(NA)	6,755	(NA)	[7]348	(NA)
13	Oil and gas extraction	82	3	259	946	(NA)	(NA)	(NA)	(NA)	(NA)	6,589	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	67	3	196	688	(NA)	(NA)	(NA)	(NA)	(NA)	3,822	(NA)	264	(NA)
	Logan, total	112	33	8,312	45,508	(NA)	(NA)	(NA)	(NA)	(NA)	91,967	(NA)	[7]7,453	(NA)
12	Bituminous coal mining	67	30	8,050	44,584	6,369	11,191	35,281	66,298	26,296	87,791	4,803	7,403	54,328
13	Oil and gas extraction, total	45	3	262	924	(NA)	(NA)	(NA)	(NA)	(NA)	4,176	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	23	3	127	446	(NA)	(NA)	(NA)	(NA)	(NA)	3,153	(NA)	50	(NA)
138	Oil and gas field services	22	...	135	478	(NA)	(NA)	(NA)	(NA)	(NA)	1,023	(NA)	(NA)	(NA)
	McDowell	270	46	9,264	47,962	(NA)	(NA)	(NA)	(NA)	(NA)	144,899	(NA)	11,814	71,810
12	Bituminous coal mining	264	45	9,230	47,846	8,285	14,751	40,692	89,521	62,391	144,294	7,618	11,814	71,810
	Marion	47	12	3,811	20,011	(NA)	(NA)	(NA)	(NA)	(NA)	54,826	(NA)	[7]4,271	(NA)
12	Bituminous coal mining	24	10	3,709	19,652	3,249	5,114	16,318	43,806	17,510	53,556	7,760	[8]4,088	[8]32,759
13	Oil and gas extraction	23	2	102	359	(NA)	(NA)	(NA)	(NA)	(NA)	1,270	(NA)	[7]183	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Marshall	18	2	612	3,609	(NA)	(NA)	(NA)	(NA)	(NA)	6,156	(NA)	[7]209	(NA)
	Mason	14	4	191	675	168	277	593	792	1,311	2,040	63	[7]122	(NA)
	Mercer	61	8	844	3,315	768	1,040	2,888	4,564	4,662	8,083	1,143	1,385	6,918
12	Bituminous coal mining	58	8	829	3,248	755	1,012	2,837	4,437	4,621	7,915	1,143	1,351	6,467
	Mineral	11	3	197	739	(NA)	(NA)	(NA)	(NA)	(NA)	965	(NA)	(NA)	(NA)
	Mingo	108	16	2,638	13,403	(NA)	(NA)	(NA)	(NA)	(NA)	34,827	(NA)	[7]3,717	(NA)
12	Bituminous coal mining	59	14	2,451	12,746	2,245	3,680	11,339	24,316	9,789	31,423	2,682	3,686	24,126
131	Crude petroleum and natural gas	30	1	78	274	(NA)	(NA)	(NA)	(NA)	(NA)	2,639	(NA)	(NA)	(NA)
	Monongalia (mineral industries only)	101	22	2,704	13,660	(NA)	(NA)	(NA)	(NA)	(NA)	51,703	(NA)	[7]2,952	(NA)
12	Bituminous coal mining	85	20	2,574	13,278	2,233	3,643	11,257	28,979	22,553	50,853	679	2,717	22,000
	Nicholas	107	24	3,042	14,504	(NA)	(NA)	(NA)	(NA)	(NA)	34,356	(NA)	[7]2,570	(NA)
12	Bituminous coal mining	93	23	2,956	14,212	2,737	4,598	12,767	22,150	13,075	33,554	1,671	2,562	16,488
	Pleasants	42	...	62	213	(NA)	(NA)	(NA)	(NA)	(NA)	265	(NA)	[7]91	(NA)
	Pocohontas	10	4	383	1,898	(NA)	(NA)	(NA)	(NA)	(NA)	3,789	(NA)	249	1,289
	Preston (mineral industries only)	100	27	1,553	4,467	(NA)	(NA)	(NA)	(NA)	(NA)	14,793	(NA)	[7]1,530	(NA)
12	Bituminous coal mining	92	26	1,495	4,257	1,371	2,074	3,943	6,876	7,386	13,804	458	[8]1,510	[8]5,693
	Putnam	42	1	183	996	(NA)	(NA)	(NA)	(NA)	(NA)	1,828	(NA)	[7]124	(NA)
13	Oil and gas extraction	29	1	148	519	(NA)	(NA)	(NA)	(NA)	(NA)	1,565	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	25	1	136	477	(NA)	(NA)	(NA)	(NA)	(NA)	1,471	(NA)	67	(NA)
	Raleigh	164	42	5,721	26,160	(NA)	(NA)	(NA)	(NA)	(NA)	54,347	(NA)	[7]5,231	(NA)
12	Bituminous coal mining	153	41	5,639	25,878	4,960	7,603	22,207	41,193	17,420	53,557	5,056	5,171	28,076
	Randolph	33	8	765	3,287	(NA)	(NA)	(NA)	(NA)	(NA)	6,574	(NA)	[7]953	(NA)
12	Bituminous coal mining	26	7	713	3,105	627	961	2,640	4,007	1,954	5,671	290	[8]872	[8]4,305
13	Ritchie	173	3	396	1,397	(NA)	(NA)	(NA)	(NA)	(NA)	2,301	(NA)	[7]242	(NA)
131	Crude petroleum and natural gas	154	3	306	1,074	(NA)	(NA)	(NA)	(NA)	(NA)	1,325	(NA)	(NA)	(NA)
13	Roane	44	2	156	545	(NA)	(NA)	(NA)	(NA)	(NA)	1,757	(NA)	[7]156	(NA)
131	Crude petroleum and natural gas	30	2	133	467	(NA)	(NA)	(NA)	(NA)	(NA)	1,476	(NA)	(NA)	(NA)
	Taylor	20	1	171	468	(NA)	(NA)	(NA)	(NA)	(NA)	2,276	(NA)	[7]249	(NA)
12	Bituminous coal mining	16	...	135	342	128	152	318	756	1,453	2,179	30	[8]214	[8]967
	Tucker	8	...	43	177	(NA)	(NA)	(NA)	(NA)	(NA)	405	(NA)	(NA)	(NA)
	Tyler	42	3	177	628	(NA)	(NA)	(NA)	(NA)	(NA)	1,471	(NA)	[7]121	(NA)
	Upshur, total	61	12	665	2,756	(NA)	(NA)	(NA)	(NA)	(NA)	8,964	(NA)	[7]624	(NA)
12	Bituminous coal mining	37	11	569	2,417	488	851	2,063	3,966	4,147	7,797	316	[8]595	[8]3,353
13	Oil and gas extraction	24	1	96	339	(NA)	(NA)	(NA)	(NA)	(NA)	1,167	(NA)	(NA)	(NA)
	Wayne	68	3	302	1,099	(NA)	(NA)	(NA)	(NA)	(NA)	10,778	(NA)	326	(NA)
131	Crude petroleum and natural gas	45	1	130	456	(NA)	(NA)	(NA)	(NA)	(NA)	2,109	(NA)	87	(NA)
	Webster	24	7	601	2,541	(NA)	(NA)	(NA)	(NA)	(NA)	5,105	(NA)	(NA)	(NA)
12	Bituminous coal mining	21	7	592	2,509	557	792	2,172	3,431	1,918	4,885	464	[8]514	[8]2,714
	Wetzel (mineral industries only)	32	4	314	1,439	(NA)	(NA)	(NA)	(NA)	(NA)	22,173	(NA)	[7]356	(NA)
132	Natural gas liquids	6	2	143	837	136	289	795	6,379	15,033	21,391	21	(NA)	(NA)
13	Wirt	21	...	67	236	(NA)	(NA)	(NA)	(NA)	(NA)	394	(NA)	[7]37	(NA)
	Wood	35	2	174	684	(NA)	(NA)	(NA)	(NA)	(NA)	1,679	(NA)	[7]165	(NA)
	Wyoming, total	77	27	5,044	27,033	(NA)	(NA)	(NA)	(NA)	(NA)	65,796	(NA)	[7]5,082	(NA)
12	Bituminous coal mining	60	24	4,870	26,421	4,456	7,450	23,440	49,276	19,406	63,428	5,254	[8]5,050	[8]35,308
13	Oil and gas extraction	17	3	174	612	(NA)	(NA)	(NA)	(NA)	(NA)	2,368	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	9	2	126	442	(NA)	(NA)	(NA)	(NA)	(NA)	2,112	(NA)	(NA)	(NA)
13	Undistributed, total	114	2	396	1,461	(NA)	(NA)	(NA)	(NA)	(NA)	5,252	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	71	1	231	811	(NA)	(NA)	(NA)	(NA)	(NA)	3,927	(NA)	(NA)	(NA)
138	Oil and gas field services	43	1	165	650	(NA)	(NA)	(NA)	(NA)	(NA)	1,325	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies. NA Not available. [1]Excludes data for sand and gravel mining operations in manufacturing establishments. [2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data. [3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. [4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed. [5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments. [6]See table 2A, footnote 3. [7]Excludes data for Oil and Gas Field Services Industries. [8]Excludes data for Bituminous Coal Services Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
West Virginia, total	r2,826	r2,817	9	...	...	...	...	...	1	...	...	1,704	r46	831	38	139	2	...	30	1	25	2	1	6	...	...	...	...
No employees	r170	r169	1	...	...	...	...	...	...	...	...	50	r1	117	1	...	...	...	...	...	...	...	...	1	...	...	...	...
1-4 employees	1,416	1,414	2	...	...	...	...	...	1	...	...	642	15	627	26	80	1	...	11	...	11	2	...	...	...	...	...	...
5-9 employees	432	430	2	...	...	...	...	...	...	...	...	332	16	42	2	28	...	...	4	...	5	...	1	2	...	...	...	...
10-19 employees	334	332	2	...	...	...	...	...	...	...	...	276	8	20	5	17	...	...	5	...	1	...	...	2	...	...	...	...
20-49 employees	220	218	2	...	...	...	...	...	...	...	...	170	6	14	2	14	1	...	5	1	6	...	...	1	...	...	...	...
50-99 employees	95	95	...	...	...	...	...	...	...	...	...	84	...	4	2	...	...	...	4	...	1	...	...	...	...	...	...	...
100-249 employees	86	86	...	...	...	...	...	...	...	...	...	81	...	4	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250-499 employees	55	55	...	...	...	...	...	...	...	...	...	52	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
500-999 employees	18	18	...	...	...	...	...	...	...	...	...	17	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Barbour:																												
0-19 employees	34	34	...	...	...	...	...	...	...	...	...	30	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	9	9	...	...	...	...	...	...	...	...	...	8	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Berkeley:																												
20-99 employees	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Boone:																												
0-19 employees	64	64	...	...	...	...	...	...	...	...	...	41	...	20	...	3	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	7	7	...	...	...	...	...	...	...	...	...	5	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Braxton:																												
0-19 employees	22	22	...	...	...	...	...	...	...	...	...	3	...	17	...	2	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brooke:																												
0-19 employees	9	9	...	...	...	...	...	...	...	...	...	5	...	1	1	...	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees	5	5	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cabell:																												
0-19 employees	37	36	1	...	...	...	...	...	...	...	...	...	...	32	1	2	...	...	1	...	...	...	...	1	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Calhoun:																												
0-19 employees	100	100	...	...	...	...	...	...	...	...	...	...	...	86	...	14	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clay:																												
0-19 employees	42	42	...	...	...	...	...	...	...	...	...	2	...	34	1	4	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Doddridge:																												
0-19 employees	37	37	...	...	...	...	...	...	...	...	...	...	...	31	2	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fayette:																												
0-19 employees	142	142	...	...	...	...	...	...	...	...	...	130	3	5	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	12	12	...	...	...	...	...	...	...	...	...	11	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gilmer:																												
0-19 employees	71	71	...	...	...	...	...	...	...	...	...	7	...	56	2	6	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees	6	6	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grant:																												
0-19 employees	8	8	...	...	...	...	...	...	...	...	...	5	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees	3	3	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																											
Greenbrier:																											
0-19 employees....	103	103	...	...	...	...	...	...	...	...	...	99	...	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Hampshire:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Hancock:																											
0-19 employees....	18	16	2	...	...	...	...	...	...	...	...	5	...	8	...	1	...	...	...	...	1	...	1	2	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
Hardy:																											
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Harrison:																											
0-19 employees....	139	139	...	...	...	...	...	...	...	...	...	96	12	29	2	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	20	20	...	...	...	...	...	...	...	...	...	18	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackson:																											
0-19 employees....	34	34	...	...	...	...	...	...	...	...	...	...	...	27	2	5	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																											
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Kanawha:																											
0-19 employees....	122	120	2	...	...	...	...	...	1	...	...	61	4	38	5	7	...	...	2	...	2	...	...	2	...	...	...	...
20-99 employees...	29	29	...	...	...	...	...	...	...	...	...	19	1	6	2	...	1	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lewis:																											
0-19 employees....	30	30	...	...	...	...	...	...	...	...	...	3	1	16	1	8	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																											
0-19 employees....	85	85	...	...	...	...	...	...	...	...	...	4	1	64	1	14	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Logan:																											
0-19 employees....	79	79	...	...	...	...	...	...	...	...	...	36	1	20	...	22	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	15	15	...	...	...	...	...	...	...	...	...	12	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	8	8	...	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	10	10	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McDowell:																											
0-19 employees....	224	224	...	...	...	...	...	...	...	...	...	216	3	1	...	3	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	25	25	...	...	...	...	...	...	...	...	...	23	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	10	10	...	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	11	11	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marion:																											
0-19 employees....	35	35	...	...	...	...	...	...	...	...	...	13	1	18	2	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall:																											
0-19 employees....	16	16	...	...	...	...	...	...	...	...	...	...	...	9	...	5	...	...	...	...	2	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mason:																											
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	8	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mercer:																											
0-19 employees....	53	53	...	...	...	...	...	...	...	...	...	47	3	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mineral:																											
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	6	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Mingo:																												
0-19 employees....	92	92	...	...	...	...	...	...	...	...	...	44	1	29	...	17	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	10	10	...	...	...	...	...	...	...	...	...	8	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monongalia:																												
0-19 employees....	80	79	1	...	...	...	...	...	...	...	...	65	...	13	1	...	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	13	13	...	...	...	...	...	...	...	...	...	11	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	6	6	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monroe:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Morgan:																												
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Nicholas:																												
0-19 employees....	83	83	...	...	...	...	...	...	...	...	...	68	2	8	...	3	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	18	18	...	...	...	...	...	...	...	...	...	17	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ohio:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pendelton:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Pleasants:																												
0-19 employees....	42	42	...	...	...	...	...	...	...	...	...	1	...	37	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Pocahontas:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	3	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Preston:																												
0-19 employees....	73	73	...	...	...	...	...	...	...	...	...	65	1	3	...	2	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	28	27	1	...	...	...	...	...	...	...	...	26	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Putnam:																												
0-19 employees....	41	41	...	...	...	...	...	...	...	...	...	13	...	24	...	4	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Raleigh:																												
0-19 employees....	122	122	...	...	...	...	...	...	...	...	...	107	5	5	...	4	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	26	26	...	...	...	...	...	...	...	...	...	25	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	9	9	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	7	7	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Randolph:																												
0-19 employees....	25	25	...	...	...	...	...	...	...	...	...	19	...	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ritchie:																												
0-19 employees....	170	170	...	...	...	...	...	...	...	...	...	...	...	151	1	18	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Roane:																												
0-19 employees....	42	42	...	...	...	...	...	...	...	...	...	...	...	28	3	11	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Summers:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Taylor:																												
0-19 employees....	19	19	...	...	...	...	...	...	...	...	...	14	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tucker:																												
0-19 employees....	8	8	...	...	...	...	...	...	...	...	...	3	1	1	...	1	...	...	1	...	1	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Tyler:																												
0-19 employees....	39	39	...	...	...	...	...	...	...	...	...	...	...	32	4	3	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Upshur:																												
0-19 employees....	49	49	...	...	...	...	...	...	...	...	...	25	1	15	...	8	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	11	11	...	...	...	...	...	...	...	...	...	10	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wayne:																												
0-19 employees....	65	65	...	...	...	...	...	...	...	...	...	5	...	44	1	14	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Webster:																												
0-19 employees....	17	17	...	...	...	...	...	...	...	...	...	12	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wetzel:																												
0-19 employees....	29	28	1	...	...	...	...	...	...	...	...	...	...	21	4	3	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Wirt:																												
0-19 employees....	21	21	...	...	...	...	...	...	...	...	...	...	...	17	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Wood:																												
0-19 employees....	33	33	...	...	...	...	...	...	...	...	...	...	...	28	...	4	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wyoming:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	...	35	1	7	...	7	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	13	13	...	...	...	...	...	...	...	...	...	10	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	9	9	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	5	5	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undistributed:																												
0-19 employees....	112	112	...	...	...	...	...	...	...	...	...	...	...	70	...	42	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

WISCONSIN

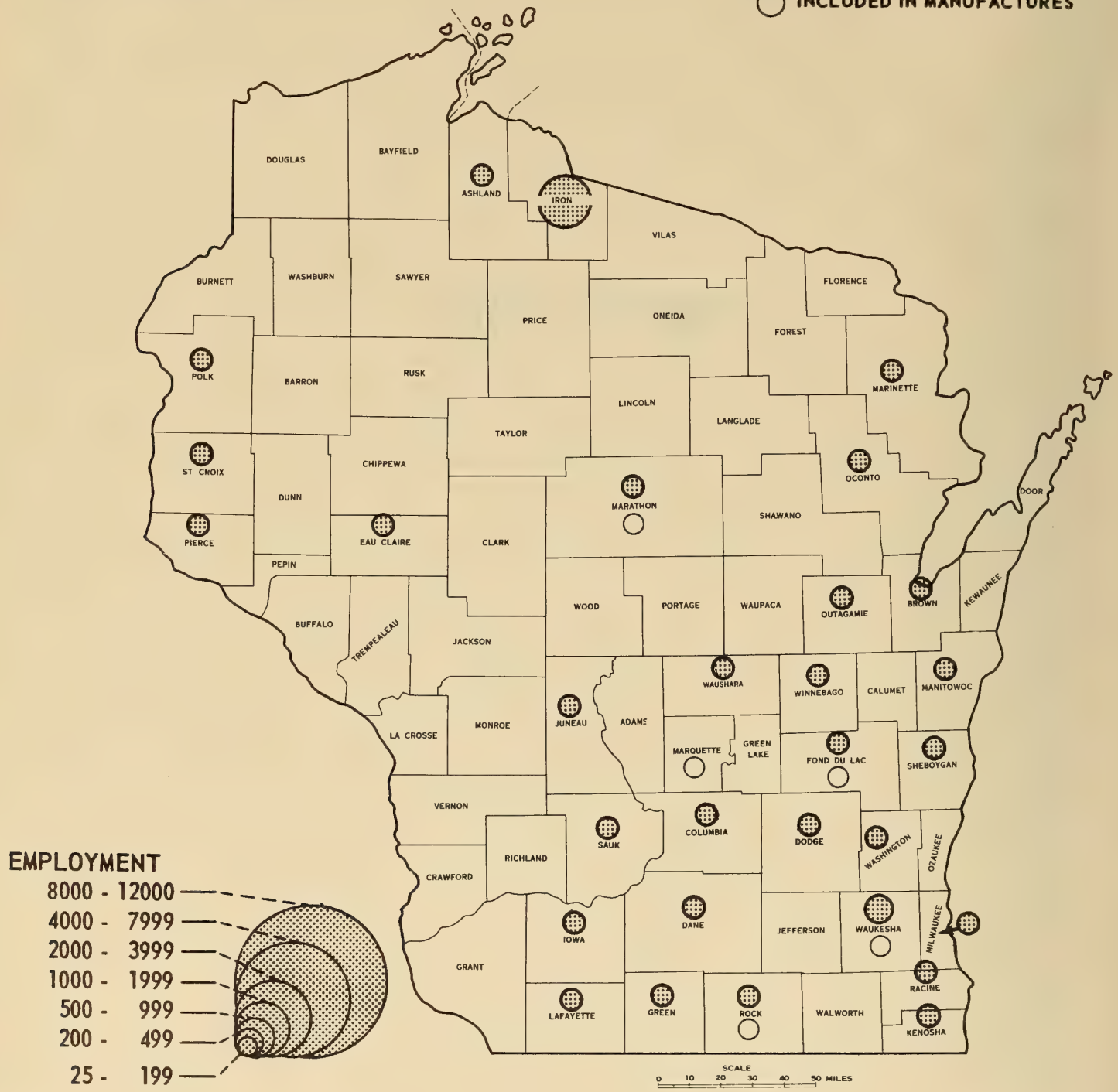
46-1

EMPLOYMENT IN MINING BY COUNTY: 1958

WISCONSIN

RANK AMONG STATES
EMPLOYMENT - 31
VALUE OF SHIPMENTS - 35

MINERAL INDUSTRIES
INCLUDED IN MANUFACTURES



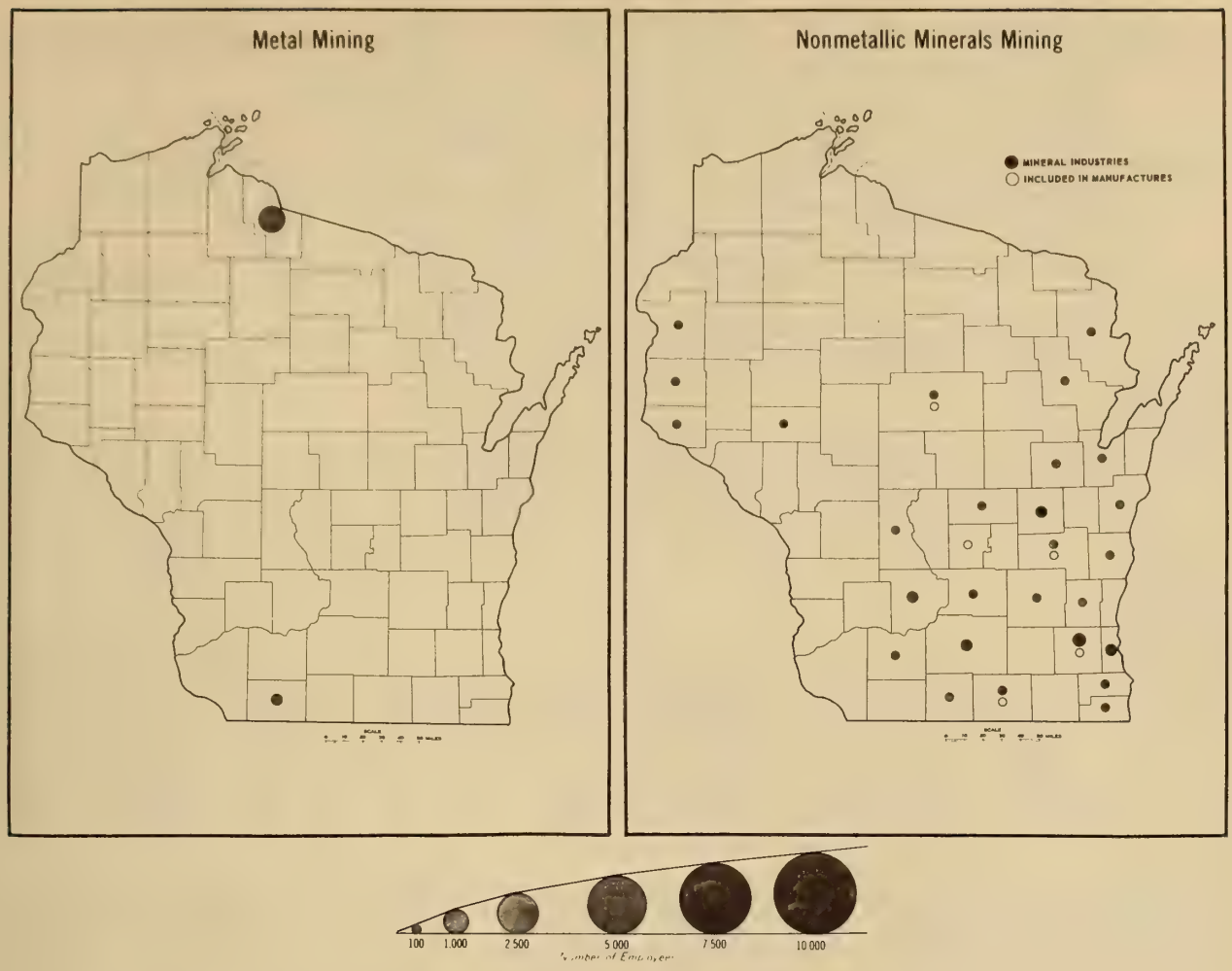
EMPLOYMENT

8000 - 12000
4000 - 7999
2000 - 3999
1000 - 1999
500 - 999
200 - 499
25 - 199

U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MINING IN WISCONSIN

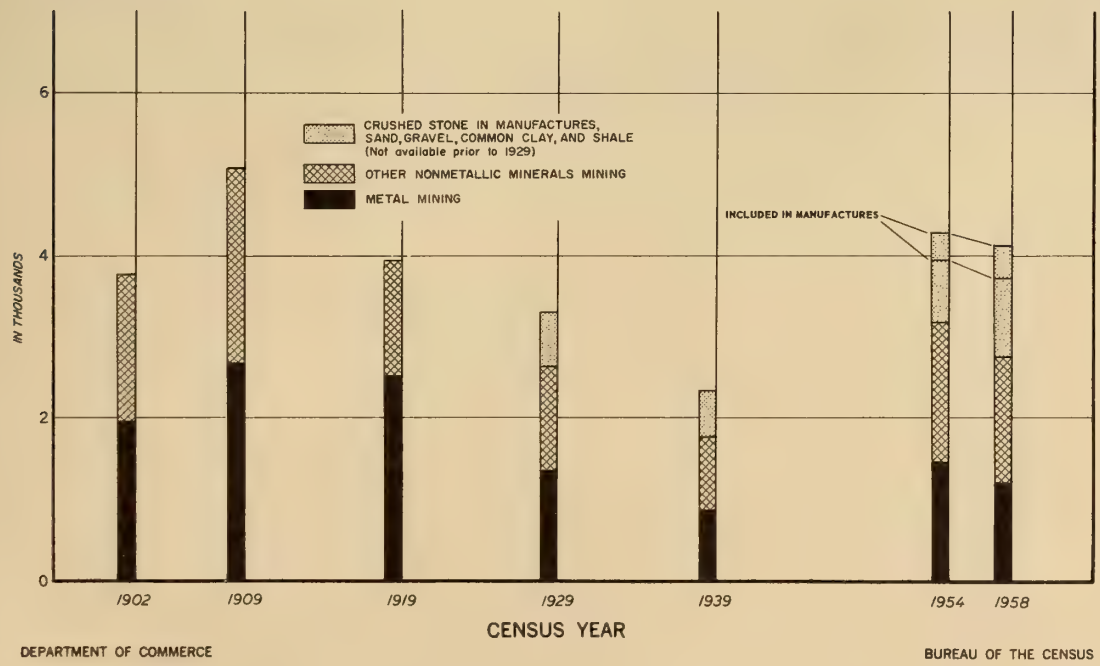
Employment For Industry Group By County: 1958



EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

WISCONSIN



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	295	37	3,736	17,673	3,241	6,308	14,834	31,680	12,140	995	2,029	2,563	44,894	4,513	696	215
1954	294	38	3,985	17,034	3,496	7,365	14,296	37,144	12,589	744	1,515	5,186	49,601	7,577	695	199
Including operations in manufactures: All operations:																
1958	333	44	4,127	19,400	3,596	6,997	16,368	35,045	r[2]13,385	1,021	r[2]2,062	[3]2,698	49,563	[3]4,648	[3]714	199
1954[4]	329	43	4,283	18,094	3,774	7,921	15,258	38,682	[2]13,077	769	[2]1,520	[3]5,247	51,663	[3]7,632	[3]723	192
1939[5]	[6]153	(NA)	2,322	3,117	2,093	4,177	2,604	6,460	1,934	(NA)	18	(NA)	8,412	(NA)	238	114
1929[7]	147	(NA)	3,291	5,128	2,907	(NA)	4,231	10,463	2,642	(NA)	58	685	13,163	(NA)	688	237
Excluding sand, gravel, common clay, and shale operations and stone quarries operated as parts of cement and lime plants:																
1958	130	28	2,753	13,195	2,429	4,608	11,262	20,235	r [2]8,657	1,021	r [2]994	[3]1,397	29,774	[3]2,530	[3]383	158
1954	150	31	3,174	13,353	2,863	5,848	11,672	29,333	[2]10,761	769	[2]619	[3]4,007	39,237	[3]6,252	[3]446	156
1939[5]	[6]83	(NA)	1,761	2,384	1,619	3,229	2,041	4,805	1,450	(NA)	8	(NA)	6,263	(NA)	118	73
1929[8]	91	(NA)	2,624	3,945	2,383	(NA)	3,403	7,959	2,015	(NA)	29	487	10,003	(NA)	608	255
1919	96	(NA)	3,954	5,533	3,652	(NA)	4,893	7,419	2,826	84	252	(NA)	10,581	(NA)	[9]6,106	1,672
1909	291	(NA)	5,084	3,399	4,795	(NA)	3,128	5,907	1,351	156	45	(NA)	7,459	(NA)	(NA)	(NA)
1902[10]	[6]415	(NA)	3,870	2,229	[11]3,590	(NA)	1,992	3,615	809	(NA)	4	(NA)	4,428	(NA)	(NA)	(NA)

NA Not available. r Revised.

[1] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For all other years represents net production and excludes this duplication.

[2] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[3] Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[4] Excludes data for sand and gravel mining operations in manufacturing establishments.

[5] Except, in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing limestone and granite at such operations was $236 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for sandstone is not available. Excludes data for one central office associated with nonproducing operations.

[6] Represents number of mines and quarries.

[7] Excludes data for common clay and shale operations. In 1939, there were 4 such mines with products valued at $34 thousand. See also footnote 8.

[8] Excludes data for one nonproducing establishment.

[9] Excludes purchased electricity. For such operations in 1939, the quantity of purchased electricity amounted to only 5 percent of the total kwh equivalent of energy used.

[10] Includes data for 2 cement plants and for lime plants producing lime valued at $549 thousand.

[11] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954[1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	333	44	4,127	19,400	3,596	6,997	16,368	35,045	[2]19,166	[3]49,563	[4]4,648	4,283	38,682
	Mineral industries	295	37	[5]3,736	[5]17,673	3,241	6,308	14,834	31,680	17,727	44,894	4,513	3,985	37,144
	Included in manufactures	38	7	[3]391	[3]1,727	[3]355	689	1,534	3,365	[2]1,439	[3]4,669	[4]135	[3]298	1,538
10	Metal mining	12	4	1,199	6,077	1,087	1,808	5,275	6,931	3,708	9,735	904	1,418	10,709
	Nonmetallic minerals mining	321	40	2,908	13,237	2,509	5,189	11,093	28,114	[2]15,458	[3]39,828	[4]3,744	2,865	27,973
14	Mineral industries	283	33	2,517	11,510	2,154	4,500	9,559	24,749	14,019	35,159	3,609	2,567	26,435
	Included in manufactures	38	7	[3]391	[3]1,727	[3]355	689	1,534	3,365	[2]1,439	[3]4,669	[4]135	[3]298	1,538
	Dimension stone	38	7	399	1,653	355	664	1,426	2,419	1,306	3,518	207	461	2,435
1411	Mineral industry	20	1	93	269	85	147	235	524	202	654	72	199	1,101
	Included in manufactures	18	6	306	1,384	270	517	1,191	1,895	1,104	2,864	135	262	1,334
	Dimension limestone	20	4	248	1,201	223	436	1,042	1,705	1,048	2,595	158	294	1,726
	Included in manufactures	12	4	232	1,160	208	415	1,005	1,581	1,017	2,467	131	178	1,036
1421	Crushed and broken stone (mineral industry only)	99	17	1,128	5,337	981	2,122	4,527	10,768	7,024	16,402	1,390	1,295	16,189
	Crushed and broken limestone (mineral subindustry only)	79	13	901	4,311	786	1,732	3,710	8,180	5,529	12,422	1,287	864	5,949
	Crushed and broken stone, nec.	15	4	219	998	188	379	793	2,467	1,439	3,813	93	(NA)	(NA)
	Sand and gravel	176	16	1,354	6,130	1,147	2,348	5,031	14,626	[2]6,946	[3]19,454	[4]2,118	(NA)	(NA)
1441	Mineral industry	162	15	1,289	5,862	1,082	2,217	4,763	13,340	6,762	17,984	2,118	1,071	9,136
	Included in manufactures	14	1	[3]65	[3]268	[3]65	131	268	1,286	[2]184	[3]1,470	(NA)	(NA)	(NA)
	Common sand and gravel (mineral subindustry only)	153	13	1,205	5,399	1,009	2,058	4,371	12,386	6,142	16,479	2,049	998	8,391
	Molding sand (mineral subindustry only)	9	2	84	463	73	159	392	954	620	1,505	69	73	745

NA Not available.

[1]Excludes data for sand and gravel mining operations in manufacturing establishments.

[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.

[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts includes the estimated value of minerals produced and used in the same manufacturing establishment.

[4]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[5]Includes figures for separately reported central office and related facilities in the Bituminous Coal Industry.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries.....	17,727	12,140	995	2,029	2,563	4,513	674	3,839	xxx	xxx	xxx	xxx
10	Metal mining.....	3,708	[3]3,371	([3])	112	225	904	646	258	xxx	xxx	xxx	xxx
14	Nonmetallic minerals mining.....	14,019	[3]9,764	([3])	1,917	2,338	3,609	28	3,581	xxx	xxx	xxx	xxx
1421	Crushed and broken stone.....	7,024	[3]5,184	([3])	837	1,003	1,390	17	1,373	[4]12,065	15,720	([4])	106
	Crushed and broken limestone.	5,529	[3]3,769	([3])	815	945	1,287	17	1,270	[4]9,277	11,441	([4])	23
1441	Sand and gravel.....	6,762	[3]4,393	([3])	1,068	1,301	2,118	11	2,107	17,666	[4]17,557	[5]1,667	([4])
	Common sand and gravel.....	6,142	[3]3,995	([3])	976	1,171	2,049	8	2,041	16,971	[4]16,197	[5]1,680	([4])

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for the cost of minerals received for preparation are combined with those for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Shipments of primary products by establishments classified in other industries are combined with shipments of primary products by establishments classified in the specified industry. The figure shown includes stone produced and used in the same establishment in making manufactured products. For crushed and broken stone, the value of such stone is not included in the succeeding columns.

[5]Includes sand and gravel produced and used in the same manufacturing establishment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods[1]	Total	Underground mines	Open-pit mines	Combination methods and other methods[2]		
	All industries:												
	Number of establishments	294	283	44	4	30	10	233	1	220	12	6	11
	Number of employees	[3]3,726	3,671	1,390	1,140	228	22	2,153	(D)	1,963	(D)	128	35
	Value added in mining, $1,000	31,560	31,669	9,450	6,792	2,280	378	21,393	(D)	19,205	(D)	826	([4])
10	Metal mining:												
	Number of establishments	12	5	4	4	...	...	...	...	...	...	1	7
	Number of employees	[5]1,199	(D)	1,140	1,140	...	...	...	...	...	...	(D)	(D)
	Value added in mining, $1,000	[5]6,931	(D)	6,792	6,792	...	...	...	...	...	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	282	278	40	...	30	10	233	1	220	12	5	4
	Number of employees	[5]2,517	(D)	250	...	228	22	2,153	(D)	1,963	(D)	(D)	(D)
	Value added in mining, $1,000	[5]24,749	(D)	2,658	...	2,280	378	21,393	(D)	19,205	(D)	(D)	(D)
1421	Crushed and broken stone:												
	Number of establishments	99	97	2	...	2	...	94	1	93	...	1	2
	Number of employees	1,128	(D)	(D)	...	(D)	...	(D)	(D)	1,087	...	(D)	(D)
	Value added in mining, $1,000	10,768	(D)	(D)	...	(D)	...	(D)	(D)	10,440	...	(D)	(D)
	Crushed and broken limestone:												
	Number of establishments	79	77	2	...	2	...	74	...	74	...	1	2
	Number of employees	901	(D)	(D)	...	(D)	...	842	...	842	...	(D)	(D)
	Value added in mining, $1,000	8,180	(D)	(D)	...	(D)	...	7,806	...	7,806	...	(D)	(D)
1441	Sand and gravel:												
	Number of establishments	162	162	20	...	10	10	142	...	130	12	...	...
	Number of employees	1,289	1,289	(D)	...	111	(D)	(D)	...	(D)	(D)	...	...
	Value added in mining, $1,000	13,340	13,340	(D)	...	1,401	(D)	(D)	...	(D)	(D)	...	...
	Common sand and gravel:												
	Number of establishments	153	153	20	...	10	10	131	...	119	12	...	...
	Number of employees	1,205	1,205	(D)	...	(D)	(D)	(D)	...	789	(D)	...	...
	Value added in mining, $1,000	12,386	12,386	(D)	...	(D)	(D)	(D)	...	7,730	(D)	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Represents sand and gravel establishments for which the method of mining was not specified.
[2]Includes data for 10 sand and gravel establishments for which the method of mining was not specified.
[3]Includes figures for separately reported central offices and related facilities in the Bituminous Coal Industry.
[4]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[5]Includes data for mining services operations.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	WISCONSIN:													
	All mineral operations	333	44	4,127	19,400	3,596	6,997	16,368	35,045	[3]19,166	[4]49,563	[5]4,648	4,283	38,682
	Mineral industries	295	37	3,736	17,673	3,241	6,308	14,834	31,680	17,727	44,894	[4]4,513	3,985	37,144
	Included in manufactures	38	7	[4]391	[4]1,727	[4]355	689	1,534	3,365	[3]1,439	[4]4,669	[5]135	[4]298	1,538
	COUNTIES													
	Ashland	5	...	26	78	23	38	70	58	156	138	76	(NA)	(NA)
14	Brown (mineral industries only)	12	...	48	136	42	84	122	439	540	674	305	71	773
14	Clark	5	...	4	11	4	5	11	89	(D)	52	(D)	(NA)	(NA)
14	Crawford	4	...	14	49	12	22	42	102	33	111	24	33	227
14	Dane (mineral industries only)	22	2	171	700	146	266	585	1,862	906	2,524	244	100	581
141 142	Stone	13	1	74	322	66	110	275	749	645	1,266	128	28	214
144	Sand and gravel (mineral industries only)	9	1	97	378	80	156	310	1,113	261	1,258	116	72	367
	Dodge (including operations in manufactures)	5	1	[4]37	[4]201	[4]34	74	161	304	[3]271	[4]499	[5]76	[6]34	[6]401
14	Eau Claire	3	3	121	463	100	223	353	1,450	544	1,742	252	(NA)	(NA)
	Fond du Lac:													
	Including operations in manufactures	11	2	[4]138	[4]649	[4]125	265	562	926	(D)	[4]1,097	(D)	(NA)	(NA)
14	Mineral industries only	6	...	47	201	42	96	184	433	102	455	80	87	382
14	Green	7	1	48	232	43	92	204	451	252	621	82	(NA)	(NA)
14	Green Lake	6	...	16	43	16	26	43	156	59	205	10	32	295
	Iron	4	2	1,018	(D)	925	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
144	Kenosha	5	1	42	224	30	73	175	660	248	864	44	21	106
14	Manitowoc (mineral industries only)	9	...	72	247	63	95	217	414	342	747	9	[7]29	[7]314
	Marathon (mineral industries only)	11	2	78	361	68	138	273	741	348	1,058	31	(NA)	(NA)
14	Milwaukee, total	15	4	[8]197	[8]887	137	260	629	1,801	1,396	3,104	93	161	1,576
142	Crushed and broken stone	4	2	97	427	76	157	352	902	555	1,457	...	(NA)	(NA)
144	Sand and gravel	11	2	80	374	61	103	277	899	841	1,647	93	102	990
14	Outagamie	4	...	56	236	42	115	181	439	386	730	95	41	384
144	Ozaukee	3	...	8	45	8	18	45	62	(D)	107	(D)	25	227
14	Pierce	6	...	27	90	24	49	78	146	106	233	19	28	155
	Portage (including operations in manufactures)	5	...	20	77	17	33	69	252	115	353	14	(NA)	(NA)
14	Racine	7	1	88	492	76	151	414	1,165	533	1,606	92	50	530
14	Rock (mineral industries only)	13	1	73	318	60	106	252	606	419	935	90	131	1,400
14	St. Croix (mineral industries only)	4	...	128	19	40	87	185	185	(D)	289	(D)	38	157
14	Sauk	12	2	155	883	135	250	771	1,980	889	2,656	213	214	1,578
144	Shawano	3	...	17	28	13	18	22	69	84	133	20	(NA)	(NA)
144	Sheboygan	5	...	33	139	29	53	121	230	45	275	...	(NA)	(NA)
144	Walworth (mineral industries only)	4	...	23	93	21	41	88	99	66	153	12	40	314
14	Washington (mineral industries only)	8	...	25	103	24	50	95	371	118	457	32	63	331

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Waukesha, total	46	6	432	2,303	365	771	1,844	4,344	[3]2,879	[4]6,621	[5]602	352	3,025
14	Mineral industries only	36	4	298	1,607	245	527	1,224	3,224	2,069	4,762	531	287	2,623
	Included in manufactures	10	2	[4]134	[4]696	[4]120	244	620	1,120	[3]810	[4]1,859	[5]71	65	402
	Dimension stone (including operations in manufactures)	14	2	143	723	128	258	643	1,092	838	1,835	95	(NA)	(NA)
144	Sand and gravel (mineral industries only)	25	2	195	1,020	162	366	810	2,263	1,221	3,127	357	120	1,219
14	Winnebago	7	3	185	997	155	315	811	1,404	996	2,069	331	108	913

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies engaged only in performing mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and selected other data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[4]See table 2A, footnote 3.
[5]Excludes figures for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[6]Represents mineral industries only.
[7]Includes operations in manufactures.
[8]Includes figures for separately reported central offices and related facilities in the Bituminous Coal Industry.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	12C[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Wisconsin, total....	333	295	38	4	...	8	...	...	...	...	...	...	...	...	...	...	20	18	99	5	162	14	...	1	...	1	1	...
No employees.....	42	41	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	18	1	18	...	...	...	...	...	...	...
1-4 employees.....	127	105	22	2	...	4	...	...	...	...	...	...	...	...	...	...	8	7	32	3	57	11	...	1	...	1	1	...
5-9 employees.....	73	68	5	...	...	1	...	...	...	...	...	...	...	...	...	...	4	3	13	1	50	1	...	...	...	...	...	...
10-19 employees...	47	44	3	...	...	1	...	...	...	...	...	...	...	...	...	...	2	2	19	...	22	1	...	...	...	...	...	...
20-49 employees...	34	29	5	...	...	1	...	...	...	...	...	...	...	...	...	...	1	4	13	...	14	1	...	...	...	...	...	...
50-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	3	...	1	...	...	...	...	...	...	...
100-249 employees.	2	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
250-499 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500-999 employees.	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Adams:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Ashland:																												
0-19 employees....	5	5	...	2	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Barron:																												
0-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...
Bayfield:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brown:																												
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	10	...	...	...	...	...	...	...
Buffalo:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Calumet:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Chippewa:																												
0-19 employees....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Clark:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	3	...	...	...	...	...	...	...
Columbia:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Crawford:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Dane:																												
0-19 employees....	21	20	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	11	...	8	1	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Dodge:																												
0-19 employees....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Door:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...	...
Douglas:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Dunn:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Eau Claire:																												
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Fond du Lac:																												
0-19 employees....	9	6	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	3	1	...	...	...	...	...	...
20-99 employees...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...
Grant:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
Green:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Green Lake:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...
Iowa:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Iron:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
250 employees and over.....	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jefferson:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Juneau:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Kenosha:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
La Crosse:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Lafayette:																												
0-19 employees....	10	10	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Manitowoc:																												
0-19 employees....	11	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	7	...	...	1	...	...	...	...
Marathon:																												
0-19 employees....	11	9	2	...	...	1	...	...	...	1	...	...	...	...	...	...	2	2	5	...	...	...	...	...	...	...	...	...
20-99 employees...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...
Marinette:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Marquette:																												
20-99 employees...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Milwaukee:																												
0-19 employees....	11	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	9	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...
Monroe:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Oconto:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Oneida:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Outagamie:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Ozaukee:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Pierce:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	...	...	...	...	1	...	...
Polk:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Portage:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	2	...	...	...	...	...	...	...
Racine:																												
0-19 employees....	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Richland:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Rock:																												
0-19 employees....	13	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	3	1	...	...	...	...	...	...
20-99 employees...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Rusk:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
St. Croix:																												
0-19 employees....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	...	1	...	...
Sauk:																												
0-19 employees....	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	7	...	1	...	...	...	...	...	...	...
20-99 employees...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Shawano:																												
0-19 employees....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Sheboygan:																												
0-19 employees....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...
Taylor:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Trempealeau:																												
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Vernon:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Walworth:																												
0-19 employees....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	...
Washburn:																												
0-19 employees....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Washington:																												
0-19 employees....	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	7	1	...	...	...	...	...	...
Waukesha:																												
0-19 employees....	40	32	8	...	...	...	...	...	...	...	...	...	...	...	...	...	6	6	2	...	23	2	...	...	...	...	1	...
20-99 employees...	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	2	...	...	...	...	...	...	...
Waupaca:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Waushara:																												
0-19 employees....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	1	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Winnebago:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...
Wood:																												
0-19 employees....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...

[1]See table 3, footnote 2.

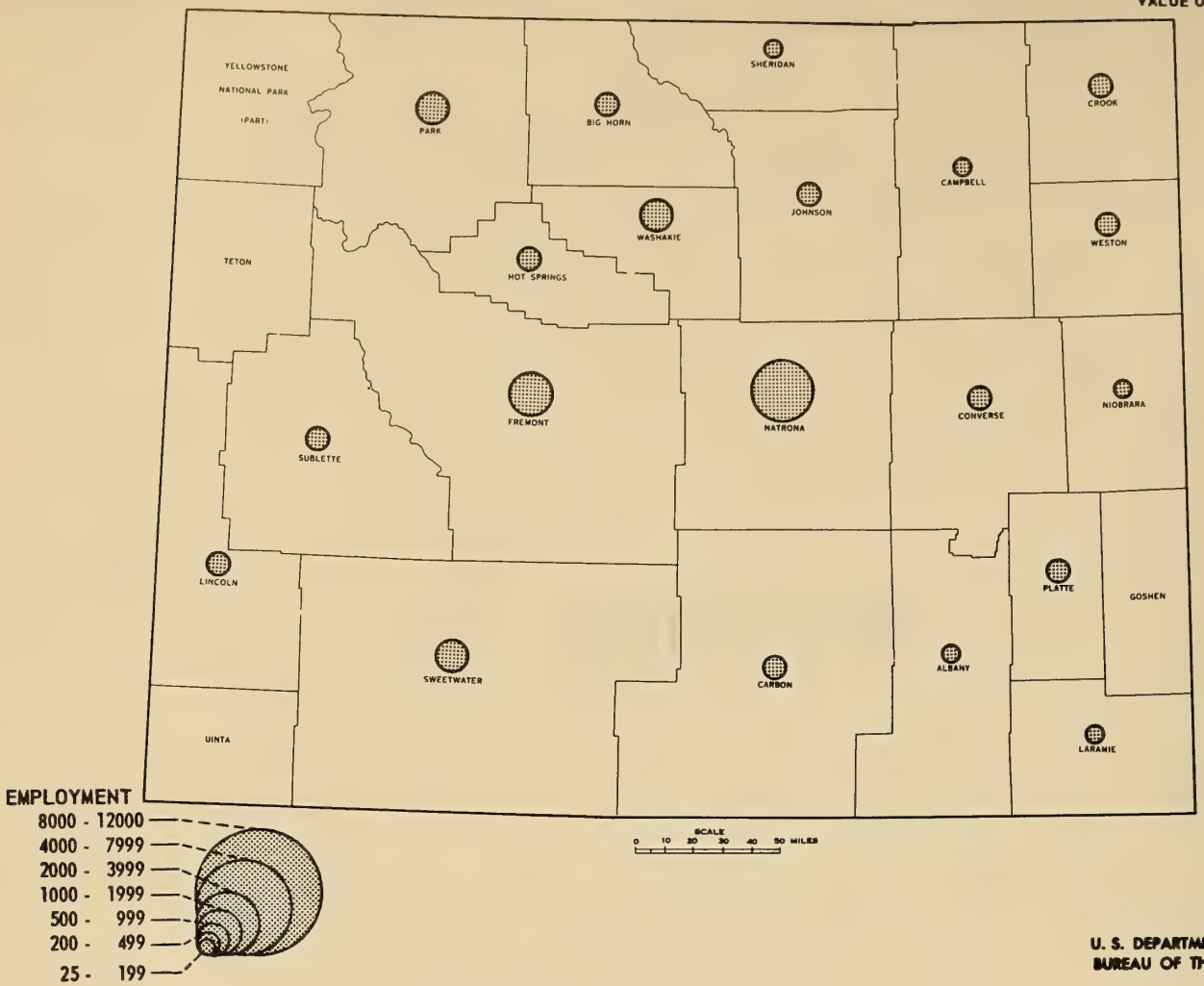
WYOMING

47-1

EMPLOYMENT IN MINING BY COUNTY: 1958

WYOMING

RANK AMONG STATES
EMPLOYMENT - 22
VALUE OF SHIPMENTS -13

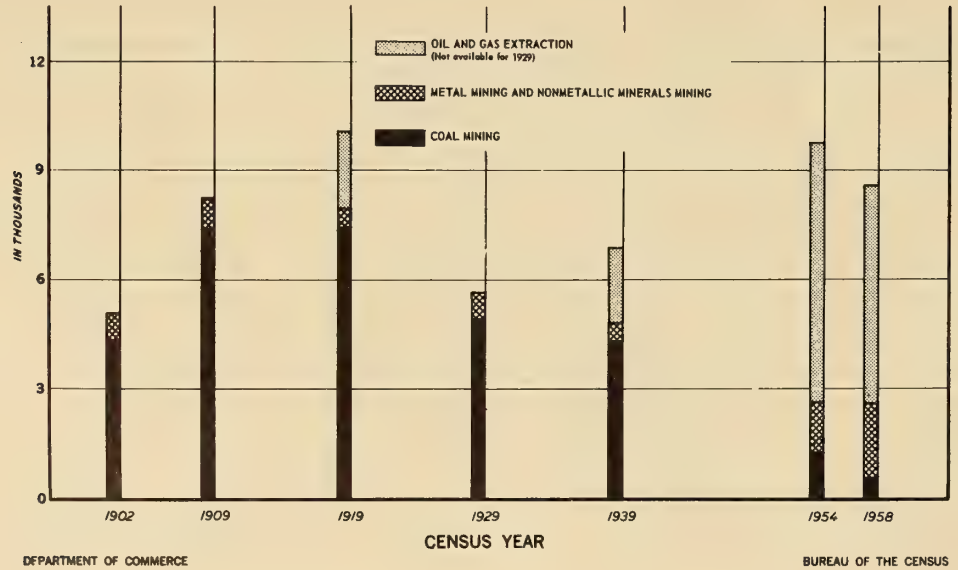


U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

WYOMING

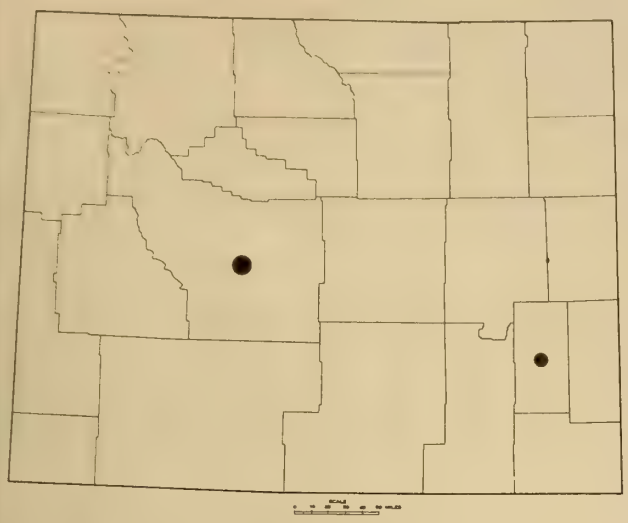


DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

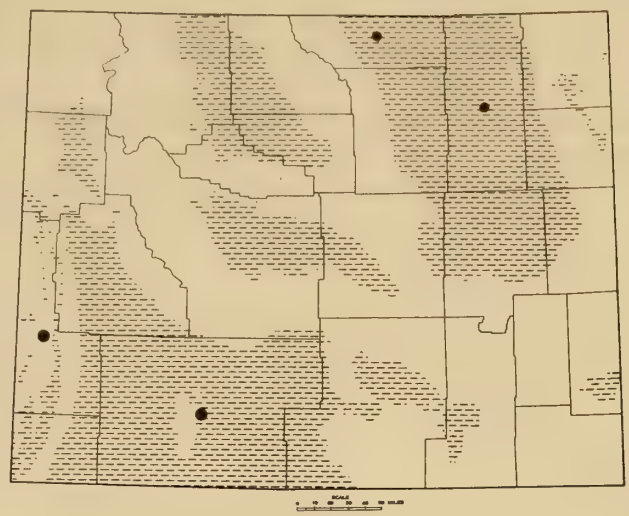
MINING IN WYOMING

Employment For Industry Group By County: 1958

Metal Mining

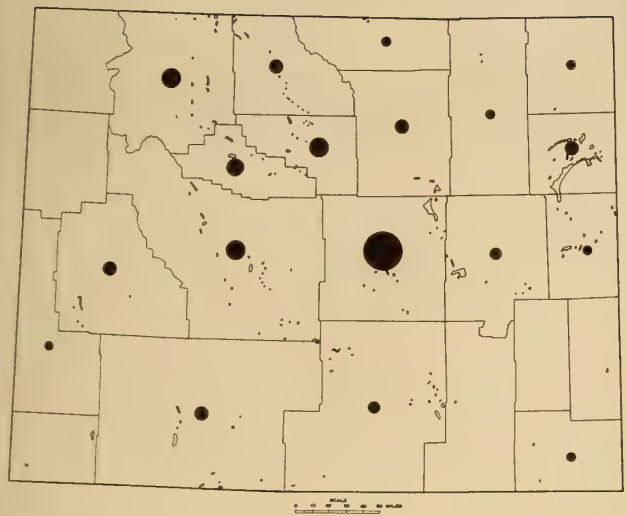


Coal Mining



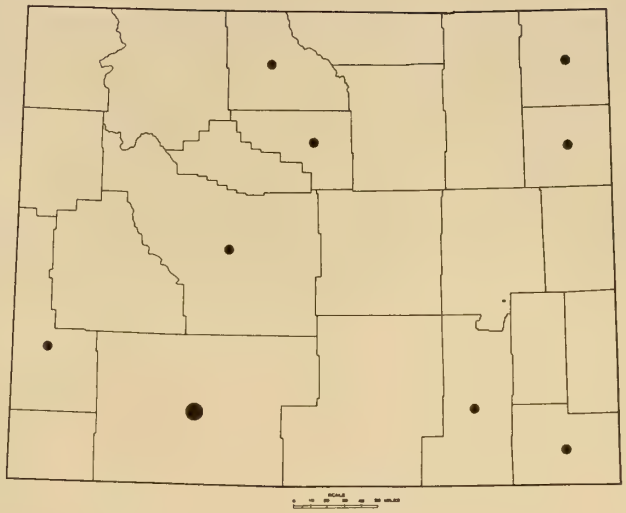
General Extent of Coal Fields

Oil and Gas Extraction



General Extent of Oil and Gas Fields

Nonmetallic Minerals Mining



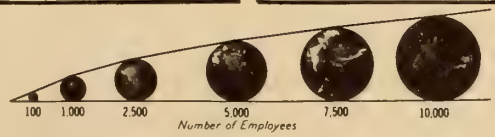


Table 1.—General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	492	87	8,612	48,944	6,004	11,994	30,939	343,940	43,887	16,718	49,741	18,729	406,917	66,098	r7,175	r1,195
1954	483	101	9,714	45,724	7,460	14,579	32,385	[2]258,165	43,389	[3]1,399	56,146	25,319	[2]312,959	71,475	9,546	1,280
Including operations in manufactures: All operations:																
1958	504	87	8,644	49,097	6,036	12,056	31,092	344,770	[4]44,069	16,718	[4]49,741	[5]18,729	407,929	[5]66,098	[5]7,175	1,189
1954[6]	487	101	9,745	45,847	7,491	14,641	32,508	[2]258,503	[4]43,751	[3]1,399	[4]56,146	[5]25,319	[2]313,659	[5]71,475	[5]9,546	1,274
1939	[7]188	(NA)	6,848	10,442	6,204	10,189	8,765	32,679	3,016	(NA)	3,176	(NA)	38,871	(NA)	1,856	299
1919[8]	121	(NA)	10,380	16,171	9,781	(NA)	14,710	33,128	7,906	[9]74	821	(NA)	41,929	(NA)	[10]2,651	271
1909[8]	130	(NA)	8,234	6,954	7,900	(NA)	6,427	8,630	1,861	...	81	(NA)	10,572	(NA)	(NA)	(NA)
1902[11]	[7]150	(NA)	5,027	4,026	[12]4,795	(NA)	3,750	4,623	959	(NA)	102	(NA)	5,684	(NA)	(NA)	(NA)
Excluding oil and gas extraction industries:																
1958	148	24	2,551	12,697	2,048	3,900	9,906	45,595	[4]10,419	11,768	[4]10,592	[5]2,637	68,675	[5]12,336	[r5]1,221	r596
1954[6]	117	24	2,577	10,219	2,279	3,921	8,699	[2]32,155	[4]7,015	349	[4]2,429	[5]960	[2]41,817	[5]1,107	[5]1,410	619
1939	[7]90	(NA)	4,776	6,642	4,511	6,491	5,896	10,914	2,155	(NA)	40	(NA)	13,109	(NA)	855	190
1929[13]	66	(NA)	5,607	10,417	5,354	(NA)	9,769	15,853	2,931	(NA)	33	603	18,817	(NA)	1,409	263
1919[8]	71	(NA)	7,919	12,083	7,547	(NA)	11,109	16,518	3,401	...	50	(NA)	19,969	(NA)	[10]1,840	244
1909[8]	116	(NA)	8,214	6,940	7,887	(NA)	6,416	8,751	1,749	...	53	(NA)	10,553	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[2]Excludes data for the Uranium-Radium-Vanadium Ores Industry.

[3]Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in such gas.

[4]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.

[5]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.

[6]Excludes data for sand and gravel mining operations in manufacturing establishments.

[7]Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[8]Excludes data for sand, gravel, common clay, and shale operations and stone quarries operated as parts of cement plants. There were 3 such sand, gravel, common clay, and shale mines in 1939, with products valued at $56 thousand. For 1929, only one sand and gravel establishment, and one stone quarry at a cement plant, was reported. For "Excluding oil and gas extraction industries" in 1909, except for number of establishments, includes data for 7 nonproducing crude petroleum and natural gas establishments. For 1902, only 2 oil and gas extraction operations were reported, hence, figures cannot be shown excluding such operations.

[9]Represents natural gas purchased for use as a material and for resale.

[10]Excludes purchased electricity. For 1929, the quantity of purchased electricity amounted to only one percent of the total kwh equivalent of energy used.

[11]Includes data for lime plants producing lime valued at $2 thousand. See also footnote 8.

[12]Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[13]Excludes data for common clay and shale mines. Only one such mine was reported for 1939.

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954 [1]	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	504	87	8,644	49,097	6,036	12,056	31,092	344,770	[2]129,257	[3]407,929	(NA)	9,745	[4]258,503
	Mineral industries	492	87	8,612	48,944	6,004	11,994	30,939	343,940	129,075	406,917	66,098	9,714	[4]258,165
	Included in manufactures	12	...	[3]32	[3]153	[3]32	62	153	830	[2]182	[3]1,012	(NA)	[3]31	338
10	Metal mining	80	4	940	5,186	782	1,619	4,238	21,564	25,461	37,201	9,824	([5])	([5])
1094	Uranium-radium-vanadium ores	64	3	578	3,332	453	1,038	2,618	18,046	24,508	32,874	9,680	13	(NA)
12	Bituminous coal mining	23	7	538	2,157	425	566	1,624	4,690	1,947	6,217	420	[5]1,519	[5]12,234
1211	Bituminous coal	20	6	506	1,991	399	531	1,506	4,244	1,749	5,619	374	1,222	8,857
13	Oil and gas extraction	344	63	6,093	36,400	3,988	8,156	21,186	299,175	93,841	339,254	53,762	7,168	226,348
1311	Crude petroleum and natural gas	209	28	3,710	23,862	1,913	3,895	10,763	272,602	72,579	296,191	48,990	4,181	193,467
	Crude petroleum	201	26	3,584	23,011	1,833	3,730	10,278	264,833	60,827	286,906	38,754	4,181	193,467
	Natural gas	8	2	126	851	80	165	485	7,769	11,752	9,285	10,236		
1321	Natural gas liquids	12	3	250	1,474	216	429	1,216	3,990	8,272	10,116	2,146	297	3,802
138	Oil and gas field services	123	32	2,133	11,064	1,859	3,832	9,207	22,583	12,990	32,947	2,626	2,690	29,079
1381	Drilling oil and gas wells	68	25	1,605	8,622	1,399	2,778	7,125	17,422	10,938	26,232	2,128	1,795	22,075
1382	Oil and gas exploration services	19	2	203	909	179	422	733	1,861	549	2,307	103	895	7,004
1389	Oil and gas field services, nec	36	5	325	1,533	281	632	1,349	3,300	1,503	4,408	395		
	Nonmetallic minerals mining	57	13	1,073	5,354	841	1,715	4,044	19,341	[2]8,008	[3]25,257	(NA)	1,058	19,921
14	Mineral industries	45	13	1,041	5,201	809	1,653	3,891	18,511	7,826	24,245	2,092	1,027	19,583
	Included in manufactures	12	...	[3]32	[3]153	[3]32	62	153	830	[2]182	[3]1,012	(NA)	[3]31	338
1421	Crushed and broken stone (mineral industry only)	4	1	87	392	74	158	335	585	267	834	18	[6]142	[6]1,103
	Sand and gravel:													
1441	Mineral industry	16	1	94	405	84	178	376	1,053	319	1,197	175	81	319
	Clay and related minerals:													
1452	Bentonite	10	7	212	958	159	367	691	6,479	3,095	8,751	823	210	10,389
147	Chemical and fertilizer minerals	7	3	552	3,032	407	784	2,120	9,860	3,701	12,578	983	573	7,503

NA Not available.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes figures for the cost of purchased machinery installed.

[3] For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, number of production and development workers was estimated from reported figures for man-hours. No data were obtained on other employees at such operations; hence, the same figures are included for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such establishments.

[4] Excludes data for the Uranium-Radium-Vanadium Ores Industry. Value of shipments and cost of minerals received for preparation were not obtained for this industry.

[5] Figures for Metal mining are combined with those for Bituminous coal mining. See also footnote 4.

[6] Includes data for operations classified in manufactures.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	129,075	43,887	16,718	49,741	18,729	66,098	32,748	33,350	xxx	xxx	xxx	xxx
10	Metal mining	25,461	[3]15,637	([3])	9,104	720	9,824	4,431	5,393	xxx	xxx	xxx	xxx
109	Miscellaneous metal ores:												
1094	Uranium-radium-vanadium ores	24,508	[3]14,822	([3])	9,103	583	9,680	4,431	5,249	[4]612	[5]10,314	(NA)	([5])
12	Bituminous coal mining	1,947	[3]1,069	([3])	591	287	420	60	360	xxx	xxx	xxx	xxx
1211	Bituminous coal	1,749	[3]927	([3])	581	241	374	60	314	1,634	5,613	...	...
13	Oil and gas extraction	93,841	33,650	4,950	39,149	16,092	53,762	28,084	25,678	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	72,579	23,896	...	35,890	12,793	48,990	27,569	21,421	xxx	295,571	xxx	618
	Crude petroleum	60,827	19,942	...	29,258	11,627	38,754	19,982	18,772	[6]107,809	280,331	[6]553	1,638
	Natural gas	11,752	3,954	...	6,632	1,166	10,236	7,587	2,649	[7]58,888	8,025	[7]68,472	6,375
1321	Natural gas liquids	8,272	809	4,950	1,557	956	2,146	...	2,146	[8]2,522	[8]5,779	...	...
138	Oil and gas field services	12,990	8,945	...	1,702	2,343	2,626	515	2,111	xxx	xxx	xxx	xxx
1381	Drilling oil and gas wells	10,938	7,370	...	1,663	1,905	2,128	515	1,613	xxx	[5]25,780	xxx	([5])
14	Nonmetallic minerals mining	7,826	[3]5,299	([3])	897	1,630	2,092	173	1,919	xxx	xxx	xxx	xxx
145	Clay and related minerals:												
1452	Bentonite	3,095	1,536	...	801	758	823	90	733	728	(NA)	(NA)	(NA)
147	Chemical and fertilizer minerals	3,701	[3]2,936	([3])	64	701	983	([9])	[9]983	xxx	xxx	xxx	xxx

NA Not available.

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]Figures for the cost of minerals received for preparation are combined with figures for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Represents the quantity of crude ore mined in the specified industry.

[5]Figures for shipments of primary products or receipts for primary services by establishments classified in other industries are combined with figures for shipments of primary products or receipts for primary services by establishments classified in the specified industry. Figures for shipments of primary products of the Uranium-Radium-Vanadium Ores Industry represent gross shipments.

[6]Represents thousands of barrels of crude petroleum, field condensate, and drips shipped or used.

[7]Represents millions of cubic feet of natural gas shipped.

[8]Represents natural gas liquids only. The quantity figure is in thousands of barrels.

[9]Figures for expenditures for development and exploration of mineral property are combined with figures for expenditures for plant and other construction, machinery, and equipment.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open-pit mines	Combination methods and other methods[1]		
	All industries:												
	Number of establishments	356	310	244	24	41	179	50	10	32	8	16	46
	Number of employees	6,369	6,266	4,212	331	251	3,630	1,588	775	780	33	466	103
	Value added in mining, $1,000	320,227	322,534	285,683	3,081	7,938	274,664	27,388	9,487	17,044	857	9,463	(2)
10	Metal mining:												
	Number of establishments	73	59	53	20	33	...	4	...	2	2	2	14
	Number of employees	878	(D)	539	313	226	...	(D)	...	(D)	(D)	(D)	(D)
	Value added in mining, $1,000	21,023	(D)	10,536	3,042	7,494	...	(D)	...	(D)	(D)	(D)	(D)
1094	Uranium-radium-vanadium ores:												
	Number of establishments	64	53	47	18	29	...	4	...	2	2	2	11
	Number of employees	578	558	(D)	(D)	214	...	(D)	...	(D)	(D)	(D)	20
	Value added in mining, $1,000	18,046	18,187	(D)	(D)	7,265	...	(D)	...	(D)	(D)	(D)	(2)
1211	Bituminous coal:												
	Number of establishments	20	20	5	3	2	...	15	8	7	...	...	...
	Number of employees	506	506	14	(D)	(D)	...	492	(D)	(D)	...	...	...
	Value added in mining, $1,000	4,244	4,244	79	(D)	(D)	...	4,165	(D)	(D)	...	...	...
1311 & 1321	Crude petroleum and natural gas												
	Natural gas liquids:												
	Number of establishments	221	190	179	...	...	179	...	...	...	...	11	31
	Number of employees	3,960	3,880	3,630	...	...	3,630	...	...	...	...	250	80
	Value added in mining, $1,000	276,592	(D)	274,664	...	...	274,664	...	...	...	...	(D)	(D)
14	Nonmetallic minerals mining:												
	Number of establishments	42	41	7	1	6	...	31	2	23	6	3	1
	Number of employees	1,025	(D)	29	(D)	(D)	...	(D)	(D)	471	(D)	(D)	(D)
	Value added in mining, $1,000	18,368	(D)	404	(D)	(D)	...	(D)	(D)	8,512	(D)	(D)	(D)
145	Clay and related minerals:												
1452	Bentonite:												
	Number of establishments	10	10	1	...	1	...	9	...	9	...	...	...
	Number of employees	212	212	...	...	...	...	212	...	212	...	...	...
	Value added in mining, $1,000	6,479	6,479	(D)	...	(D)	...	(D)	...	(D)	...	...	...
147	Chemical and fertilizer minerals:												
	Number of establishments	7	7	...	...	...	...	4	1	2	1	3	...
	Number of employees	552	552	...	...	...	...	(D)	(D)	(D)	(D)	(D)	...
	Value added in mining, $1,000	9,860	9,860	...	...	...	...	(D)	(D)	(D)	(D)	(D)	...

D Withheld to avoid disclosing data for individual companies.

[1] Includes data for 2 sand and gravel establishments for which the method of mining was not specified.

[2] Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	WYOMING:													
	All mineral operations	504	87	8,644	49,097	6,036	12,056	31,092	344,770	[3]129,257	[4]407,929	(NA)	9,745	[5]258,503
	Mineral industries	492	87	8,612	48,944	6,004	11,994	30,939	343,940	129,075	406,917	66,098	9,714	[5]258,165
	Included in manufactures	12	...	[4]32	[4]153	[4]32	62	153	830	[3]182	[4]1,012	(NA)	[4]31	338
	COUNTIES													
	Albany (mineral industries only)	16	1	102	555	(NA)	(NA)	(NA)	(NA)	(NA)	2,448	(NA)	[6]41	(NA)
13	Oil and gas extraction	11	...	12	73	(NA)	(NA)	(NA)	(NA)	(NA)	1,470	(NA)	(NA)	(NA)
	Big Horn:													
	Including operations in manufactures	55	5	[4]349	[4]2,063	(NA)	(NA)	(NA)	(NA)	(NA)	[4]34,249	(NA)	(NA)	(NA)
	Mineral industries only	52	5	348	2,060	(NA)	(NA)	(NA)	(NA)	(NA)	34,192	(NA)	[6]295	(NA)
13	Oil and gas extraction	44	3	262	1,626	(NA)	(NA)	(NA)	(NA)	(NA)	30,759	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	23	3	208	1,319	(NA)	(NA)	(NA)	(NA)	(NA)	29,427	(NA)	(NA)	(NA)
14	Nonmetallic minerals mining	3	2	71	369	48	119	246	2,361	(D)	3,344	(D)	47	1,547
	Campbell	47	1	141	725	(NA)	(NA)	(NA)	(NA)	(NA)	4,098	(NA)	[6]54	(NA)
13	Oil and gas extraction	34	...	104	549	(NA)	(NA)	(NA)	(NA)	(NA)	3,537	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	10	...	7	44	(NA)	(NA)	(NA)	(NA)	(NA)	1,800	(NA)	(NA)	(NA)
138	Oil and gas field services	24	...	97	505	(NA)	(NA)	(NA)	(NA)	(NA)	1,737	(NA)	(NA)	(NA)
	Carbon	40	3	208	1,177	(NA)	(NA)	(NA)	(NA)	(NA)	8,919	(NA)	[6]189	(NA)
13	Oil and gas extraction	30	3	169	979	(NA)	(NA)	(NA)	(NA)	(NA)	8,193	(NA)	[6]107	(NA)
	Converse	51	1	183	1,061	(NA)	(NA)	(NA)	(NA)	(NA)	15,033	(NA)	[6]160	(NA)
13	Oil and gas extraction, total	44	1	164	971	(NA)	(NA)	(NA)	(NA)	(NA)	14,763	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	24	1	104	659	(NA)	(NA)	(NA)	(NA)	(NA)	13,652	(NA)	(NA)	(NA)
138	Oil and gas field services	20	...	60	312	(NA)	(NA)	(NA)	(NA)	(NA)	1,111	(NA)	(NA)	(NA)
	Crook	28	4	223	1,111	(NA)	(NA)	(NA)	(NA)	(NA)	9,436	(NA)	[6]89	(NA)
13	Oil and gas extraction	17	2	119	659	(NA)	(NA)	(NA)	(NA)	(NA)	5,409	(NA)	[6]87	(NA)
14	Nonmetallic minerals mining	7	2	95	380	75	168	303	3,016	1,435	3,941	510	(NA)	(NA)
	Fremont, total	110	10	1,004	5,726	(NA)	(NA)	(NA)	(NA)	(NA)	75,059	(NA)	[6]304	(NA)
13	Oil and gas extraction, total	65	6	409	2,338	(NA)	(NA)	(NA)	(NA)	(NA)	41,866	(NA)	[6]244	(NA)
131	Crude petroleum and natural gas	23	4	197	1,249	(NA)	(NA)	(NA)	(NA)	(NA)	38,534	(NA)	(NA)	(NA)
10, 12, 14	Metal mining, Coal mining, and Nonmetallic minerals mining	45	4	595	3,388	478	1,111	2,741	18,160	24,440	33,193	9,407	[6]60	(NA)
109	Miscellaneous metal ores	33	3	523	3,065	414	969	2,438	12,359	24,083	32,157	4,285	(NA)	(NA)
	Goshen (mineral industries only)	7	...	15	92	(NA)	(NA)	(NA)	(NA)	(NA)	148	(NA)	(NA)	(NA)
	Hot Springs	40	3	372	2,237	(NA)	(NA)	(NA)	(NA)	(NA)	32,802	(NA)	[6]271	(NA)
13	Oil and gas extraction, total	35	3	353	2,138	(NA)	(NA)	(NA)	(NA)	(NA)	32,616	(NA)	[6]259	(NA)
131	Crude petroleum and natural gas	19	3	265	1,680	(NA)	(NA)	(NA)	(NA)	(NA)	30,971	(NA)	259	(NA)
138	Oil and gas field services	16	...	88	458	(NA)	(NA)	(NA)	(NA)	(NA)	1,645	(NA)	(NA)	(NA)
	Johnson	31	2	230	1,338	(NA)	(NA)	(NA)	(NA)	(NA)	21,335	(NA)	[6]129	(NA)
13	Oil and gas extraction	28	2	228	1,325	(NA)	(NA)	(NA)	(NA)	(NA)	21,296	(NA)	[6]127	(NA)
131	Crude petroleum and natural gas	12	1	125	793	(NA)	(NA)	(NA)	(NA)	(NA)	19,474	(NA)	127	(NA)
	Laramie	21	1	101	500	(NA)	(NA)	(NA)	(NA)	(NA)	2,465	(NA)	[6]119	(NA)
13	Oil and gas extraction	16	...	25	150	(NA)	(NA)	(NA)	(NA)	(NA)	1,811	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	10	...	18	114	(NA)	(NA)	(NA)	(NA)	(NA)	1,711	(NA)	(NA)	(NA)
	Lincoln	22	4	302	1,088	(NA)	(NA)	(NA)	(NA)	(NA)	4,277	(NA)	(NA)	(NA)
13	Oil and gas extraction	17	...	50	270	(NA)	(NA)	(NA)	(NA)	(NA)	1,023	(NA)	(NA)	(NA)
	Natrona (mineral industries only)	128	20	1,865	11,038	(NA)	(NA)	(NA)	(NA)	(NA)	42,062	(NA)	[6]1,657	(NA)
13	Oil and gas extraction	117	20	1,837	10,928	(NA)	(NA)	(NA)	(NA)	(NA)	41,542	(NA)	[6]1,629	(NA)
131	Crude petroleum and natural gas	52	15	1,203	7,610	(NA)	(NA)	(NA)	(NA)	(NA)	30,879	(NA)	(NA)	(NA)
	Niobrara	23	1	118	714	(NA)	(NA)	(NA)	(NA)	(NA)	3,055	(NA)	[6]165	(NA)
131	Crude petroleum and natural gas	14	1	80	507	(NA)	(NA)	(NA)	(NA)	(NA)	2,458	(NA)	(NA)	(NA)

See footnotes at end of table.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954—Continued

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	COUNTIES—Continued													
	Park (mineral industries only)	46	8	565	3,540	(NA)	(NA)	(NA)	(NA)	(NA)	71,085	(NA)	[6]373	(NA)
131	Crude petroleum and natural gas	18	3	328	2,270	(NA)	(NA)	(NA)	(NA)	(NA)	65,888	(NA)	(NA)	(NA)
	Platte	5	1	316	1,550	(NA)	(NA)	(NA)	(NA)	(NA)	3,756	(NA)	223	2,930
	Sheridan (mineral industries only)	15	1	122	558	(NA)	(NA)	(NA)	(NA)	(NA)	4,109	(NA)	[6]174	(NA)
12	Bituminous coal mining	7	1	87	370	59	74	265	1,018	449	1,365	102	115	804
	Sublette	28	4	257	1,418	(NA)	(NA)	(NA)	(NA)	(NA)	9,814	(NA)	[6]30	(NA)
131	Crude petroleum and natural gas	9	1	72	456	(NA)	(NA)	(NA)	(NA)	(NA)	6,034	(NA)	(NA)	(NA)
	Sweetwater (mineral industries only)	44	7	870	4,664	(NA)	(NA)	(NA)	(NA)	(NA)	28,072	(NA)	[6]1,220	(NA)
138	Oil and gas field services	25	2	136	708	(NA)	(NA)	(NA)	(NA)	(NA)	2,726	(NA)	(NA)	(NA)
	Washakie	41	9	497	3,005	(NA)	(NA)	(NA)	(NA)	(NA)	25,891	(NA)	[6]254	(NA)
131	Crude petroleum and natural gas	17	3	242	1,535	(NA)	(NA)	(NA)	(NA)	(NA)	19,015	(NA)	(NA)	(NA)
	Weston, total	90	4	357	1,991	(NA)	(NA)	(NA)	(NA)	(NA)	10,228	(NA)	[6]797	(NA)
131	Crude petroleum and natural gas	63	...	160	1,015	(NA)	(NA)	(NA)	(NA)	(NA)	5,895	(NA)	(NA)	(NA)
138	Oil and gas field services	21	1	111	578	(NA)	(NA)	(NA)	(NA)	(NA)	2,188	(NA)	(NA)	(NA)
10, 132, 14	Metal mining, Natural gas liquids, and Nonmetallic minerals mining	6	3	86	398	68	151	301	1,614	596	2,145	65	(NA)	(NA)
	Undistributed (oil and gas extraction)	67	4	706	4,363	(NA)	(NA)	(NA)	(NA)	(NA)	4,421	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	14	...	452	2,868	(NA)	(NA)	(NA)	(NA)	(NA)	1,205	(NA)	(NA)	(NA)
138	Oil and gas field services	53	4	254	1,495	(NA)	(NA)	(NA)	(NA)	(NA)	3,216	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Excludes data for sand and gravel mining operations in manufacturing establishments.
[2]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county. All county statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county data.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, excludes figures for the cost of purchased machinery.
[4]See table 2A, footnote 3.
[5]Excludes data for the Uranium-Radium-Vanadium Ores Industry.
[6]Excludes data for the Oil and Gas Field Services Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
12C Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																						
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
Wyoming, total.....	504	492	12	2	1	...	1	...	2	7	67	20	3	209	12	123	...	...	4	2	16	8	12	2	7	3	3	...
No employees.....	82	80	2	...	...	...	...	...	1	...	24	1	2	44	1	6	...	...	...	...	...	1	1	1	...	...	...	...
1-4 employees.....	194	187	7	...	1	...	1	...	1	5	30	7	...	90	1	35	...	...	...	1	10	6	1	...	2	1	2	...
5-9 employees.....	80	78	2	...	...	...	...	...	...	1	7	4	...	32	3	24	...	...	1	1	4	1	...	...	1	1	...	...
10-19 employees...	61	60	1	1	...	...	...	...	...	1	3	2	...	15	4	26	...	...	2	...	1	...	2	1	1	1	1	...
20-49 employees...	50	50	...	...	...	...	...	...	...	...	...	2	1	12	1	25	...	...	...	...	1	...	7	...	1	...	...	...
50-99 employees...	23	23	...	...	...	...	...	...	...	...	...	3	...	10	2	5	...	...	1	...	...	...	1	...	1	...	...	...
100-249 employees.	9	9	...	...	...	...	...	...	...	...	3	1	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...
250-499 employees.	4	4	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...
500-999 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COUNTIES																												
Albany:																												
0-19 employees....	18	15	3	1	...	...	...	...	...	...	...	...	...	4	...	7	...	...	...	2	3	...	...	1	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Big Horn:																												
0-19 employees....	50	47	3	...	...	...	...	...	...	1	4	...	...	20	1	20	...	...	...	...	...	2	...	1	1	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Campbell:																												
0-19 employees....	46	46	...	...	...	...	...	...	...	1	11	...	...	10	...	24	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carbon:																												
0-19 employees....	37	37	...	...	1	...	...	...	1	1	1	3	...	8	1	18	...	...	...	...	1	...	...	...	1	...	1	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Converse:																												
0-19 employees....	50	50	...	...	...	...	...	...	...	...	6	1	...	23	...	20	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Crook:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	2	2	...	...	9	...	6	...	...	...	...	...	...	2	...	...	3	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	2	...	...	...	...	...
Fremont:																												
0-19 employees....	100	100	...	...	...	...	1	...	1	7	30	1	...	19	2	38	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	7	7	...	...	...	...	...	...	...	...	...	...	...	4	...	2	...	...	...	...	1	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Goshen:																												
0-19 employees....	8	7	1	...	...	...	...	...	...	...	1	...	...	3	...	3	...	...	...	...	...	1	...	...	...	...	...	...
Hot Springs:																												
0-19 employees....	37	37	...	...	...	...	...	...	...	1	...	2	...	16	...	16	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Johnson:																												
0-19 employees....	29	29	...	...	...	...	...	...	...	...	1	...	...	11	1	14	...	...	...	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laramie:																												
0-19 employees....	20	20	...	...	...	...	...	...	...	1	...	...	...	10	...	6	...	...	1	...	2	...	...	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Lincoln:																												
0-19 employees....	18	18	...	...	...	...	...	...	...	...	...	...	...	7	...	10	...	...	...	...	1	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Natrona:																												
0-19 employees....	109	108	1	...	...	...	...	...	...	2	6	...	...	37	...	60	...	...	...	...	1	1	1	...	1	...	...	...
20-99 employees...	17	17	...	...	...	...	...	...	...	...	...	...	...	13	1	3	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	3	3	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Niobrara:																												
0-19 employees....	22	22	...	...	...	...	...	...	...	...	...	...	...	13	1	7	...	...	...	...	...	...	1	...	...	...	...	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Park:																												
0-19 employees....	40	38	2	...	...	...	...	...	...	...	...	...	...	15	...	21	...	...	...	...	1	2	...	...	1	...	...	...
20-99 employees...	8	8	...	...	...	...	...	...	...	...	...	...	...	3	1	4	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958—Continued

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
COUNTIES—Continued																												
Platte:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sheridan:																												
0-19 employees....	15	14	1	...	...	...	...	...	...	...	...	4	2	3	...	4	...	...	...	...	...	1	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sublette:																												
0-19 employees....	24	24	...	...	...	...	...	...	...	...	...	1	...	8	...	15	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Sweetwater:																												
0-19 employees....	38	37	1	...	...	...	...	...	...	1	...	2	2	8	1	23	...	...	...	...	...	1	...	...	...	...	...	...
20-99 employees...	5	5	...	...	...	...	...	...	...	...	...	1	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees.	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
250 employees and over.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Teton:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Uinta:																												
0-19 employees....	4	4	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Washakie:																												
0-19 employees....	32	32	...	...	...	...	...	...	...	...	1	...	...	14	...	17	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	9	9	...	...	...	...	...	...	...	...	...	...	...	3	1	4	...	...	...	...	...	...	...	...	1	...	...	...
Weston:																												
0-19 employees....	86	86	...	...	...	...	...	...	...	...	1	...	...	63	1	20	...	...	...	...	...	...	...	...	...	...	1	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	3	...	...	...	...	...
Undistributed:																												
0-19 employees....	63	63	...	...	...	...	...	...	...	...	...	...	...	14	...	49	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...

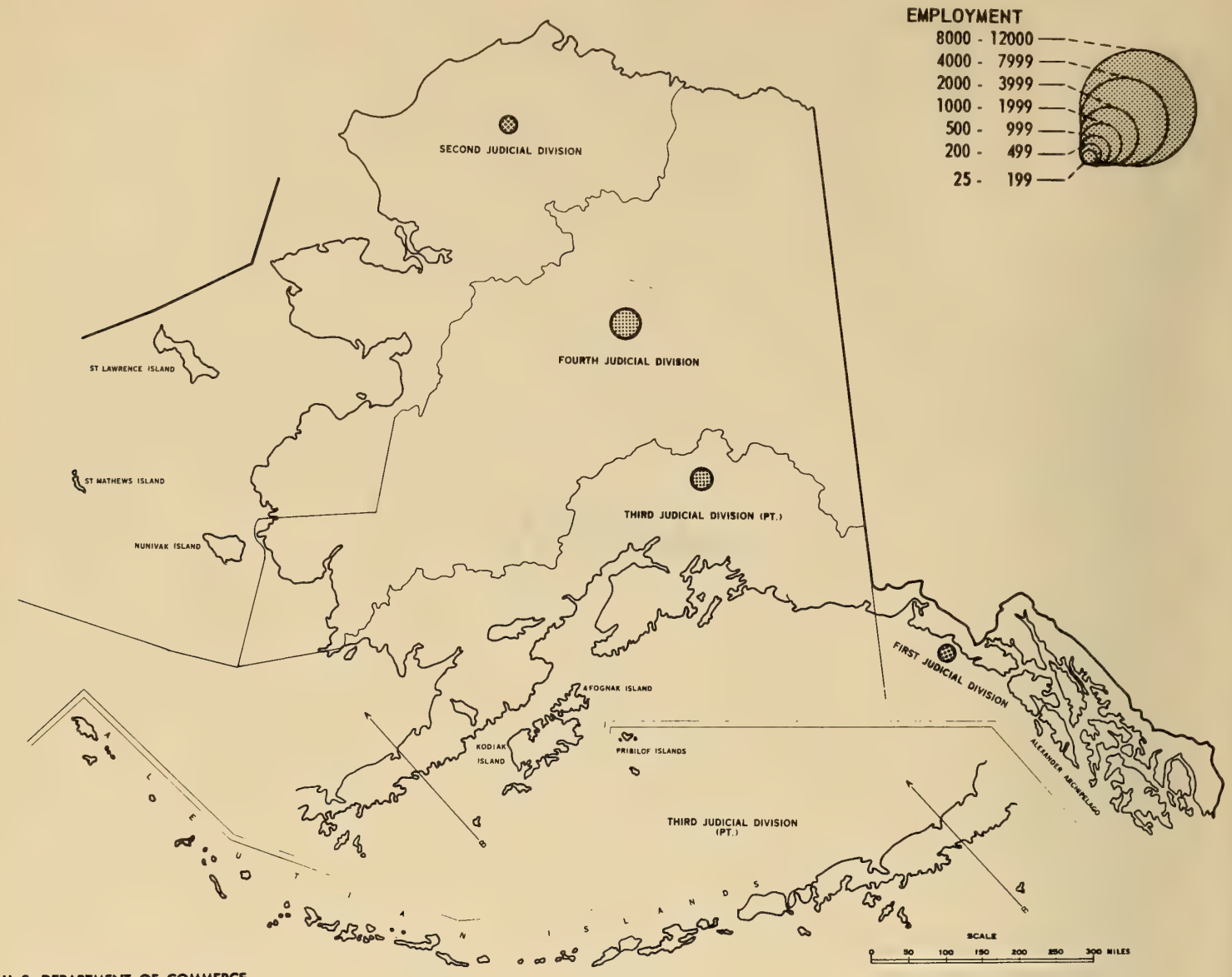
[1]See table 3, footnote 2.

ALASKA

48-1

EMPLOYMENT IN MINING BY JUDICIAL DIVISION: 1958

ALASKA



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
1958:																
Mineral industries only	156	11	976	7,549	804	2,027	5,632	8,820	r4,423	r500	7,120	1,674	16,922	5,615	652	811
Including operations in manufactures	160	9	988	7,642	816	2,047	5,725	9,214	r2,4,453	r500	2,7,120	3,1,674	17,346	3,5,615	3,652	799
1954[4]	194	14	1,436	9,529	1,197	2,990	7,663	14,383	4,890	121	1,651	3,305	19,753	4,597	677	566
1919[5]	346	(NA)	2,674	5,544	2,475	(NA)	5,011	11,307	3,870	...	458	(NA)	15,635	(NA)	6491	198
1909[5]	7673	(NA)	3,807	6,820	3,588	(NA)	6,411	12,385	2,903	...	1,645	(NA)	16,933	(NA)	(NA)	(NA)

NA Not available. rRevised.

[1]Represents the gross value of shipments and receipts and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation.

[2]For sand and gravel mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resales, and purchased fuels and electricity.

[3]Excludes data for sand and gravel mining operations in manufacturing establishments.

[4]Excludes data for sand and gravel mining operations in manufacturing establishments. Two such pits were reported in the Third judicial division and one in the Fourth judicial division.

[5]For 1919 and 1909, the Census reports indicated that coverage was incomplete, amounting to approximately 80 percent of the estimated total value of mineral products. For 1919, also excludes nonproducing operations; 6 such operations were reported for that year with 90 production and development workers and expenditures for development amounting to $350 thousand.

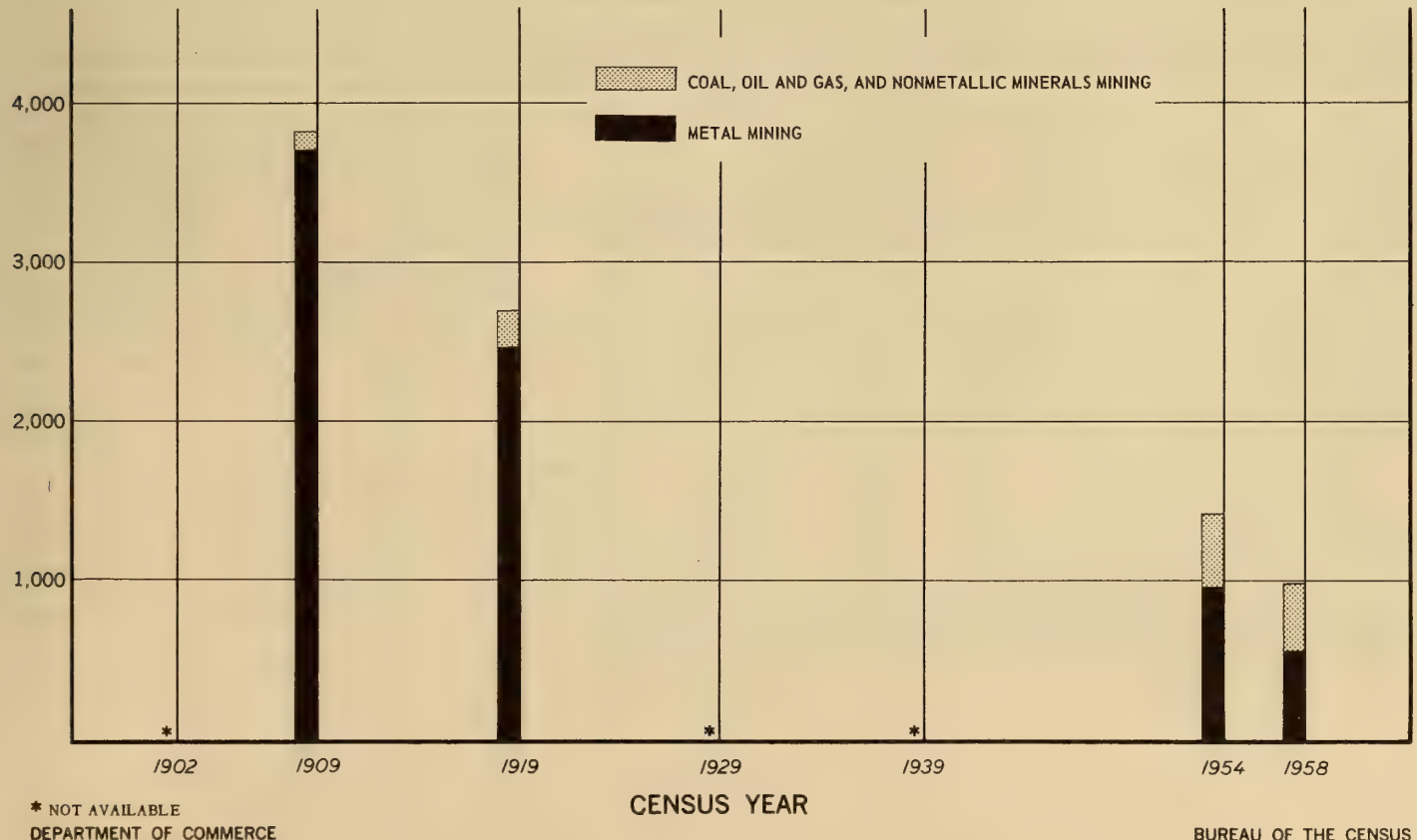
[6]Excludes purchased electricity. For 1954, the quantity of purchased electricity amounted to less than one percent of the total kwh equivalent of energy used.

[7]Represents number of operating companies.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

ALASKA



* NOT AVAILABLE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 2A.--General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	All mineral operations	160	11	988	7,642	816	2,047	5,725	9,214	[1]13,747	[2]17,346	(NA)	(NA)	(NA)
	Mineral industries	156	11	976	7,549	804	2,027	5,632	8,820	13,717	16,922	5,615	1,436	14,385
	Included in manufactures	4	...	[3]12	[3]93	[3]12	20	93	394	[1]30	[2]424	(NA)	(NA)	(NA)
10	Metal mining	121	4	548	3,776	493	1,310	3,141	5,448	3,338	7,778	1,008	960	8,623
1043	Placer gold	91	3	476	3,223	430	1,159	2,689	4,250	2,640	6,302	588	764	6,692
12	Bituminous coal mining (bituminous coal)	10	4	257	2,282	197	471	1,736	5,780	2,062	7,547	295	373	5,777
13	Oil and gas extraction	21	2	116	1,263	66	154	559	(4)	8,123	1,015	4,312	73	(4)
1311	Crude petroleum and natural gas	17	1	81	922	40	79	296	(D)	7,717	(D)	4,141	(NA)	(NA)
	Nonmetallic minerals mining	8	1	67	321	60	112	289	782	224	1,006	(NA)	(NA)	(NA)
14	Mineral industries	4	1	55	228	48	92	196	388	194	582	...	30	(4)

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]For sand and gravel mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[2]For sand and gravel mining operatings in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[3]Number of production and development workers for sand and gravel mining operations in manufacturing establishments was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are shown for production and development workers and for all employees at such operations.
[4]Not shown since the cost of supplies, purchases for resale, minerals received for preparation, purchased fuels and electricity, contract work, and purchased machinery installed exceeds the sum of the value of shipments and receipts and capital expenditures.

Table 2B.--Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. Code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
	All mineral industries	13,717	[r]4,423	[r]500	7,120	1,674	5,615	4,144	1,471	xxx	xxx	xxx	xxx
10	Metal mining	3,338	2,237	...	575	526	1,008	551	457	xxx	xxx	xxx	xxx
1043	Placer gold	2,640	1,975	...	161	504	588	153	435	[3]1,817	[3]6,292	...	...
12	Bituminous coal mining (bituminous coal)	2,062	[r]704	[r]500	619	239	295	170	125	762	7,098	...	...
13	Oil and gas extraction	8,123	1,349	...	5,865	909	4,312	3,423	889	xxx	xxx	xxx	xxx
1311	Crude petroleum and natural gas	7,717	1,156	...	5,696	865	4,141	3,409	732	(D)	(D)	...	...
14	Nonmetallic minerals mining	194	133	...	61	...	...	...	...	xxx	xxx	xxx	xxx

D Withheld to avoid disclosing data for individual companies. [r]Revised.
[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.
[2]Represents expenditures during the year for both new and used plant and equipment.
[3]Quantity represents thousands of fine ounces. In addition, 21 thousand fine ounces of placer silver were shipped, valued at $15 thousand.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. Code	Industry group or industry and item	All types of establishments, total	Producing establishments										Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	152	107	13	2	10	1	94	1	92	1	...	45
	Number of employees	[1]976	[1]892	(D)	(D)	57	(D)	(D)	(D)	621	(D)	...	84
	Value added in mining...$1,000	[1]8,820	[1]9,727	(D)	(D)	627	(D)	(D)	(D)	7,869	(D)	...	([2])
10	Metal mining:												
	Number of establishments	121	92	6	...	6	...	86	...	86	...	...	29
	Number of employees	[3]548	[3]529	[3]19	...	[3]19	...	510	...	510	...	...	19
	Value added in mining..$1,000	[3]5,448	[3]5,458	[3]250	...	[3]250	...	5,208	...	5,208	...	...	([2])
1043	Placer gold:												
	Number of establishments	91	82	...	...	...	...	82	...	82	...	...	9
	Number of employees	476	470	...	...	...	...	470	...	470	...	...	6
	Value added in mining..$1,000	4,250	4,218	...	...	...	...	4,218	...	4,218	...	...	32
12	Bituminous coal mining:												
	Number of establishments	10	10	4	2	2	...	6	1	4	1	...	...
	Number of employees	257	257	20	(D)	(D)	...	237	(D)	(D)	(D)	...	...
	Value added in mining..$1,000	5,780	5,780	422	(D)	(D)	...	5,358	(D)	(D)	(D)	...	...
13	Oil and gas extraction:												
	Number of establishments	17	1	1	...	...	1	...	...	...	...	...	16
	Number of employees	[4]116	[4]51	(D)	...	...	(D)	...	...	...	...	...	65
	Value added in mining..$1,000	(D)	(D)	(D)	...	...	(D)	...	...	...	...	...	([2])
14	Nonmetallic minerals mining:												
	Number of establishments	4	4	2	...	2	...	2	...	2	...	...	...
	Number of employees	55	55	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining..$1,000	388	388	(D)	...	(D)	...	(D)	...	(D)	...	...	...

D Withheld to avoid disclosing data for individual companies.
[1]Includes data for metal mining and oil and gas field services establishments.
[2]Not shown since the cost of supplies, purchased fuels and electricity, contract work, and purchased machinery installed exceeded capital expenditures.
[3]Includes data for metal mining services operations.
[4]Includes data for oil and gas field services establishments.

Table 3.--General Statistics by Selected Industry Groups, for Judicial Divisions. 1958 and 1954

(For explanation of column captions see Introduction)

Ind. Code	Judicial division and industry group	1958											1954	
		Establishments, number[1]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	ALASKA:													
	All mineral operations	160	11	988	7,642	816	2,047	5,725	9,214	[2]13,747	[3]17,346	(NA)	(NA)	(NA)
	Mineral industries	156	11	976	7,549	804	2,027	5,632	8,820	13,717	16,922	5,615	1,436	14,383
	Included in manufactures	4	...	[4]12	[4]93	[4]12	20	93	394	[2]30	[3]424	(NA)	(NA)	(NA)
	JUDICIAL DIVISIONS													
	First judicial division	13	...	48	368	[5]27	[5]57	[5]151	[5]235	[5]369	(D)	(D)	38	112
10	Second judicial division	20	1	102	645	93	243	587	647	732	(D)	(D)	291	958
	Third judicial division:													
	Including oil and gas extraction	45	6	423	3,563	(NA)	(NA)	(NA)	(NA)	(NA)	7,133	(NA)	306	1,064
	Excluding oil and gas extraction	23	2	181	1,154	141	284	824	3,228	1,776	(D)	(D)	233	(NA)
12	Bituminous coal mining	5	2	124	907	89	177	604	2,820	1,542	4,132	230	(NA)	(NA)
13	Oil and gas extraction, total	22	3	242	2,409	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	(NA)	(NA)
131	Crude petroleum and natural gas	12	...	60	678	(NA)	(NA)	(NA)	(NA)	(NA)	(D)	(NA)	73	(NA)
138	Oil and gas field services	10	2	182	1,731	(NA)	(NA)	(NA)	(NA)	(NA)	2,332	(NA)	(NA)	(NA)
	Fourth judicial division (mineral industries only)	92	7	621	5,049	[5]475	[5]1,289	[5]3,511	[5]7,506	[5]2,717	10,485	[5]559	801	12,249
10	Metal mining	78	3	413	2,947	368	998	2,387	4,429	2,204	6,139	494	626	7,047
104	Gold and silver ores	67	2	371	2,562	334	913	2,086	3,440	1,971	4,996	415	548	5,854

D Withheld to avoid disclosing data for individual companies.
NA Not available.
[1]Companies operating oil and gas field properties were permitted to make only one report for all oil and gas field operations in each State. Companies engaged only in performing oil and gas field or other mining services were permitted to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For 1958, such reports contained employment on March 15 and other selected data by State and county or judicial division. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a judicial division represent the number of reports that indicated any operations in the specified judicial division. All judicial division statistics shown which were not reported separately were obtained by allocating the totals reported for each company on the basis of the reported county and judicial division data.
[2]For sand and gravel mining operations in manufacturing establishments, excludes the cost of purchased machinery installed.
[3]For sand and gravel mining operations classified in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]See table 2A, footnote 3.
[5]Excludes data for the Oil and Gas Extraction Industries.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Judicial Divisions: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Judicial divisions and size classes in which no mineral operations were reported are omitted)

State, judicial division, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																							
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141 M	142	142 M	144	144 M	145	145 M	147	148[1]	149	149 M
Alaska, total.....	160	156	4	4	9	2	98	...	3	...	5	10	...	17	...	4	...	...	1	...	3	4	...	...	...	...	...	...
No employees.....	88	88	...	3	5	2	62	...	3	...	3	...	...	8	...	1	...	...	1	...	...	...	...	...	...	...	...	...
1-4 employees....	44	41	3	1	4	...	28	...	...	...	...	2	...	5	...	1	...	...	...	...	...	3	...	...	...	...	...	...
5-9 employees....	8	7	1	...	...	...	2	...	...	...	...	2	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...
10-19 employees..	9	9	...	...	...	...	3	...	...	...	1	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-49 employees..	7	7	...	...	...	...	1	...	...	...	1	2	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...
50-99 employees..	3	3	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
JUDICIAL DIVISIONS																												
First judicial division:																												
0-19 employees...	13	13	...	4	1	...	...	...	2	1	2	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Second judicial division:																												
0-19 employees...	19	19	...	...	1	...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20-99 employees..	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Third judicial division:																												
0-19 employees...	39	39	...	...	3	...	12	...	...	1	...	3	...	11	...	8	...	...	1	...	...	...	...	...	...	...	...	...
20-99 employees..	6	6	...	...	...	...	...	...	...	...	...	2	...	1	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Fourth judicial division:																												
0-19 employees...	89	85	4	...	4	2	65	...	1	1	2	2	...	4	...	3	...	...	...	...	1	4	...	...	...	...	...	...
20-99 employees..	6	6	...	...	...	...	1	...	...	...	1	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
100-249 employees	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 1.

HAWAII

49-1

EMPLOYMENT IN MINING BY COUNTY: 1958

HAWAII



U. S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

Table 1.–General Statistics for Mineral Operations: 1958 and Earlier Years

(For explanation of column captions see Introduction. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations)

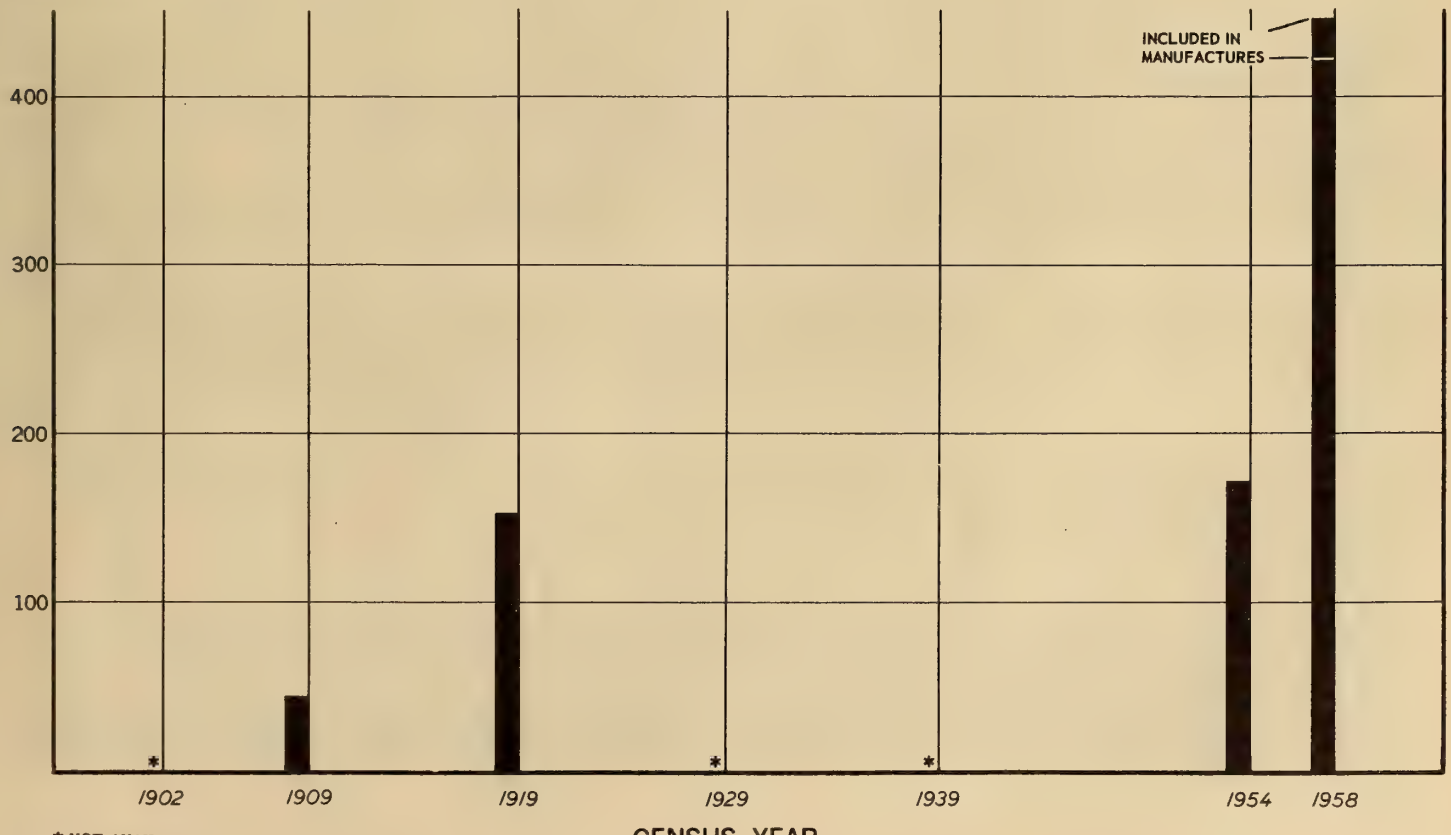
Kind of operation and year	Establishments, number		All employees		Production and development workers			Value added in mining	Selected expenses ($1,000)				Value of shipments and receipts[1]	Capital expenditures	Energy used (kwh equivalent)	
	Total	20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	($1,000)	($1,000)	Total (million)	Per production worker (1,000)
Mineral industries only:																
1958	20	8	421	1,724	367	746	1,426	4,550	1,205	...	128	668	5,847	704	64	174
Including operations in manufactures:																
1958	24	8	445	1,820	391	793	1,522	4,887	[2]1,228	...	[2]128	[3]668	6,207	[3]704	[3]64	164
1954[4]	13	2	171	598	156	320	517	1,266	[2]349	...	[2]130	[3]226	1,778	[3]193	[3]19	122
1919	5	(NA)	151	95	145	(NA)	89	202	49	...	...	(NA)	251	(NA)	(NA)	(NA)
1909	[5]6	(NA)	43	14	43	(NA)	14	16	5	...	...	(NA)	21	(NA)	(NA)	(NA)

NA Not available.
[1]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[2]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electricity.
[3]Excludes data for crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments.
[4]Excludes data for any sand and gravel mining operations in manufacturing establishments.
[5]Represents number of mines and quarries.

EMPLOYMENT IN MINING

Including Mining in Manufactures: 1902-1958

HAWAII



* NOT AVAILABLE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 2A.—General Statistics for Mineral Operations, by Industry Group and Industry: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	1958											1954	
		Establishments, number		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
14	All mineral operations (nonmetallic minerals mining)	24	8	445	1,820	391	793	1,522	4,887	2,024	6,207	(NA)	171	1,266
	Mineral industries[1]	20	8	421	1,724	367	746	1,426	4,550	2,001	5,847	704	[2]171	1,266
	Included in manufactures	4	...	[2]24	[2]96	[2]24	47	96	337	[2]23	[2]360	(NA)		
1421	Crushed and broken stone (mineral industry only)	12	7	326	1,400	283	580	1,142	3,631	1,600	4,605	626	[3]169	[3]1,112
	Crushed and broken limestone (mineral subindustry)	5	3	99	347	81	150	296	435	365	606	194	(NA)	(NA)
	Crushed and broken stone, nec (mineral subindustry)	7	4	227	1,053	202	430	846	3,196	1,235	3,999	432	(NA)	(NA)
	Sand and gravel	4	1	[2]72	[2]268	[2]67	133	248	823	[2]224	[2]1,014	[4]33	(NA)	(NA)
	Pumice and pumicite	6	...	38	115	32	62	95	329	196	480	45	(NA)	(NA)

NA Not available.

[1]Except for number of establishments, includes figures for the Hawaii operations of one service establishment primarily engaged in metal mining services in Nevada.

[2]Number of production and development workers for crushed and broken stone, sand and gravel, and clay mining operations included in manufactures was estimated from reported figures for man-hours. No data were obtained on other employees at such operations, hence, the same figures are shown for production and development workers and for all employees at such operations. For value of shipments and receipts, includes the estimated value of minerals produced and used in the same establishment at such operations. Cost of supplies, etc. excludes data for purchased machinery at such operations.

[3]Includes figures for one crushed and broken stone operation in a manufacturing establishment.

[4]Excludes figures for sand and gravel mining operations in manufacturing establishments.

Table 2B.—Selected Expenditures and Net Shipments of Primary Products of Mineral Industries for Industry Groups and Selected Industries: 1958

(For explanation of column captions see Introduction)

Ind. code	Industry group and industry	Selected expenses ($1,000)					Capital expenditures ($1,000)			Net shipments of primary products[1]			
		Total	Supplies, purchases for resale, and purchased fuels and electricity	Minerals received for preparation	Contract work	Purchased machinery installed	Total	Development and exploration of mineral property	Plant and other construction, machinery, and equipment[2]	By establishments classified in the industry		By establishments classified in other mineral industries and in manufacturing industries	
										Quantity (1,000 short tons)	Value ($1,000)	Quantity (1,000 short tons)	Value ($1,000)
14	All mineral industries (nonmetallic minerals mining)	2,001	1,205	...	128	668	704	...	704	xxx	xxx	xxx	xxx
1421	Crushed and broken stone	1,600	[3]1,010	...	([3])	590	626	...	626	[4]2,186	[4]4,033	([4])	([4])
	Crushed and broken stone, nec	1,235	[3]839	...	([3])	396	432	...	432	[4]1,733	[4]3,350	([4])	([4])
1495	Pumice and pumicite	196	151	...	...	45	45	...	45	256	480	...	...

[1]Represents gross shipments of the mineral indicated by the industry name less minerals transferred to other establishments for preparation or less minerals received from other establishments for preparation.

[2]Represents expenditures during the year for both new and used plant and equipment.

[3]The figure for the cost of contract work is combined with the figure for the cost of supplies, purchases for resale, and purchased fuels and electricity.

[4]Figures for shipments by establishments classified in other industries are combined with the figures for shipments by establishments classified in the specified industry. For all crushed and broken stone, includes the quantity and estimated value of stone produced and used in the same establishment in making lime; and a small quantity of stone produced and shipped from Alaska, amounting to less than one percent of the quantity and value figures shown.

Table 2C.—Number of Establishments, Employment, and Value Added in Mining for Mineral Industries, Except Service Industries, by Type of Operation for Industry Groups and Selected Industries: 1958

(For explanation of line and column captions see Introduction)

Ind. code	Industry group or industry and item	All types of establishments, total	Producing establishments									Nonproducing establishments
			Total	Mining only				Mines with preparation plants				Separately operated preparation plants	
				Total	Underground mines	Open-pit mines	Combination methods, well operations, and other methods	Total	Underground mines	Open-pit mines	Combination methods and other methods		
	All industries:												
	Number of establishments	20	20	9	...	9	...	11	...	11	...	...	...
	Number of employees	[1]421	[1]421	[1]45	...	[1]45	...	376	...	376	...	...	...
	Value added in mining, $1,000	[1]4,550	[1]4,550	[1]683	...	[1]683	...	3,867	...	3,867	...	...	...
1421	Crushed and broken stone:												
	Number of establishments	12	12	2	...	2	...	10	...	10	...	...	...
	Number of employees	326	326	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	3,631	3,631	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Crushed and broken stone, nec:												
	Number of establishments	7	7	2	...	2	...	5	...	5	...	...	...
	Number of employees	227	227	(D)	...	(D)	...	(D)	...	(D)	...	...	...
	Value added in mining, $1,000	3,196	3,196	(D)	...	(D)	...	(D)	...	(D)	...	...	...

D Withheld to avoid disclosing figures for individual companies.
[1]Includes figures for the Hawaii operations of one service establishment primarily engaged in metal mining services in Nevada.

Table 3.—General Statistics by Selected Industry Groups, for Counties: 1958 and 1954

(For explanation of column captions see Introduction)

Ind. code	County and industry group	1958											1954[1]	
		Establishments, number[2]		All employees		Production and development workers			Value added in mining	Cost of supplies, etc. and purchased machinery installed	Value of shipments and receipts[3]	Capital expenditures	All employees, number	Value added in mining
		Total	With 20 or more employees	Number	Payroll ($1,000)	Number	Man-hours (1,000)	Wages ($1,000)	($1,000)	($1,000)	($1,000)	($1,000)		($1,000)
	HAWAII:													
	All mineral operations	24	8	445	1,820	391	793	1,522	4,887	2,024	6,207	(NA)	171	1,266
	Mineral industries	20	8	421	1,724	367	746	1,426	4,550	2,001	5,847	704	171	1,266
	Included in manufactures	4	...	[4]24	[4]96	[4]24	47	96	337	[4]23	360	(NA)		
	COUNTIES													
	Hawaii	8	1	94	320	83	165	280	926	392	1,240	78	(NA)	(NA)
	Honolulu, total	14	6	315	1,381	287	590	1,166	3,806	1,512	4,722	(NA)	101	820
	Mineral industries	10	6	291	1,285	263	543	1,070	3,469	1,489	4,362	596	101	820
	Included in manufactures	4	...	[4]24	[4]96	[4]24	47	96	337	[4]23	360	(NA)		
	Maui	3	1	36	119	21	38	76	155	120	245	30	(NA)	(NA)

NA Not available.
[1]Excludes data for any sand and gravel mining operations included in manufactures.
[2]Companies engaged only in performing mining services were required to make only one report for all States; these reports were classified on the basis of the principal State in which the service was performed. For such operations, the State total figures shown for number of establishments represent the number of reports received which were classified in the State and those shown for number of establishments in a county represent the number of reports that indicated any operations in the specified county.
[3]For crushed and broken stone, sand and gravel, and clay mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment.
[4]See table 2A, footnote 2.

Table 4.—Distribution of Mineral Operations by Employment Size Class and by Industry Group, for Counties: 1958

101 Iron ores
102 Copper ores
103 Lead and zinc ores
104 Gold and silver ores
105 Bauxite
106 Ferroalloy ores
108 Metal mining services
109 Miscellaneous metal ores
120 Bituminous coal and lignite
120 Coal mining services
131 Crude petroleum and natural gas
132 Natural gas liquids
138 Oil and gas field services
141 Dimension stone
141M Dimension stone in manufactures
142 Crushed and broken stone
142M Crushed and broken stone in manufactures
144 Sand and gravel
144M Sand and gravel in manufactures
145 Clay and related minerals
145M Clay and related minerals in manufactures
147 Chemical and fertilizer minerals
148 Nonmetallic minerals services
149 Miscellaneous minerals, n.e.c.
149M Miscellaneous minerals n.e.c., in manufactures

(Counties and size classes in which no mineral operations were reported are omitted)

State, county, and size class	All mineral operations			Number of operations by industry group (See headnote for titles)—																								
	Total	Classified in mineral industries[1]	Included in manufactures	101	102	103	104	105	106	108[1]	109	120	120[1]	131[1]	132	138[1]	141	141M	142	142M	144	144M	145	145M	147	148[1]	149	149M
HAWAII, TOTAL.....	24	20	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	1	2	2	...	1	...	...	6	...
1-4 employees.....	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	1	...	1	...	...	3	...
5-19 employees....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	...
10-19 employees...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	2	...
20-49 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
50-99 employees...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	...	...	...	...
COUNTIES																												
Hawaii:																												
0-19 employees....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	5	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Honolulu:																												
0-19 employees....	8	4	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	1	...	2	...	1	...	...	...	...
20-99 employees...	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...
Maui:																												
0-19 employees....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
20-99 employees...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...

[1]See table 3, footnote 2.

Appendix A

Provisions of Law Relating to Census of Mineral Industries

(From Title 13 United States Code)

SECTION 131. The Secretary shall take, compile, and publish censuses of manufactures, of mineral industries, and of other businesses, including the distributive trades, service establishments, and transportation (exclusive of means of transportation for which statistics are required by law to be filed with, and are compiled and published by, a designated regulatory body), in the year 1954 and every fifth year thereafter, and each such census shall relate to the year immediately preceding the taking thereof: Provided, That the censuses of manufactures, of mineral industries, and of other businesses, including the distributive trades and service establishments, directed to be taken in the year 1954 relating to the year 1953, shall be taken instead in the year 1955 relating to year 1954. The censuses provided for in this section shall include the United States and its Territories and such Possessions as the Secretary may determine.

SECTION 224. Whoever, being the owner, official, agent, person in charge, or assistant to the person in charge, of any company, business, institution, establishment, religious body, or organization of any nature whatsoever, neglects or refuses, when requested by the Secretary or other authorized officer or employee of the Department of Commerce or bureau or agency thereof, whether such request be made by registered mail, by telegraph, by visiting representative, or by one or more of these methods, to answer completely and correctly to the best of his knowledge all questions relating to his company, business, institution, establishment, religious body, or other organization, or to records or statistics in his official custody, contained on any census or other schedule prepared and submitted to him under the authority of this title, shall be fined not more than $500 or imprisoned not more than sixty days, or both; and if he willfully gives a false answer to any such question, he shall be fined not more than $10,000 or imprisoned not more than one year, or both.

SECTION 9. (a) Neither the Secretary, nor any other officer or employee of the Department of Commerce or bureau or agency thereof, may . . . .

(1) use the information furnished under the provisions of this title for any purpose other than the statistical purposes for which it is supplied; or

(2) make any publication whereby the data furnished by any particular establishment or individual under this title can be identified, or

(3) permit anyone other than the sworn officers and employees of the Department or bureau or agency thereof to examine the individual reports.

* U.S. GOVERNMENT PRINTING OFFICE . 1962 O—623415

US Bur. of the Census.
US census of mineral industries: 1958.

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